

<223> Clone ID: LIB3061-090-Q1-N6-D6

<400> 8291

ggaattgcaa aactcctatt atgacgacgc taaaactgtg cagttcatca gcctttacaa 60
ttacagccaa gaaaagaaaa tgaaaaaaca aaacctagga aatagtcggc tgctcggcgt 120
ccaaaacctt ttctttaagc aaacaccgca ttggttgcaa aactgcactt ggtgtgccac 180
tgtgccttgt gaaatgagat gacctcctct gctcaggcgg ctggcagctg cagccgcaag 240
ccgatgaggc tcgacgcggc gctcaagccg ctcgagtcgc agcacgacag cctcggctgc 300
tgectgacga ctggctcgaa gccgagcgtg agcttcagcc tgaccttctt tcccttctgg 360
tccgccacca gcgcctggct ctggctgctg acccgcggtt tggccttggc ctggctcâc 420
tgg 423

<210> 8292

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-D7

<400> 8292

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tcgagtacat ctcatatgta atctaaaaga ggcacctcca acgatgggtt gctgcaaggc 120
agggttcatc aaagagaact ggttgatgag cagcaattgt tggtgctgct gcaggaaggt 180
agcgaccaat gggtagcca ctgccaatgg attaagtaac tggtgctgct gttgtaggta 240
cgcagcagag tttagacag ccagttggtt gaatggaagc aactggtgta agtaggcagc 300
agggtttgcc acagctagct gagtcagagc tggtagaatt tggtgcagca actggtgttg 360
taggtacgta ggtgcattgc ccaccgcgag cgggctagat gaaagtagtt gtaggtagac 420
ggcaggggtc accatggcta gttgactgag cactggcata aactggtgca gctggtgttg 480
ttgctgggat gcagctacct tcgccagaac aagtgggttg gatgcaagca actgctgttg 540
caagtaggtg ac 552

<210> 8293

<211> 372

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-D9

 <400> 8293

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 ttcggcagga aagggtaaaa gggggggggc ggggcgggac acgtggaggg agaaaacact 120
 ttcactgggg ggaatttaaa acccgaggg gttgcaagaa cccaagcatt ttggggaggg 180
 cggggggcac aaacccttg gccacatggg gggggcgaaa acggtccctc caccggggca 240
 aaaaaggggt tcgggccggg gaaaaaagcc ccctcccaa aattctggcg aggggcccaa 300
 aacaaccgag ggaccccccg aaaaaggggt ccacaaaacc ctttttttcc ccccaaaaa 360
 aaggccccc cc 372

<210> 8294
 <211> 530
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E1

 <400> 8294

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 aaaacctatt gcatatgaac tgttgcaaca acagaccagc ggaagggttcg aattttgttt 120
 catcatctaa tacgatcaca gcatgaatga cataattata gggatggctc atgcaatcct 180
 tctcaattgc cagtgtcatt atgcatgagg attagggcta cttggactta gttgatttct 240
 ttttcttttt ttgccgcaat tcatcattac ttgcgatata tgattcagct atgacactct 300
 cctgggcctc gttctttcta aattccttcg ctttctctt taatgacttc gctatatcgg 360
 ctatctcact gttgtcactg gcattcttgt cagatttgga tggacctgca gtgttctcct 420
 ttggaggaac aaatgcagcc tctctttttc ttttattttc ttcagctctc ccaaattgct 480
 tgtccagctt ctcttgccat ttctttgctg atttcttttt gtcactcatg 530

<210> 8295
 <211> 572
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-E11

<400> 8295

cacattaaaa tctggaaatg taactttctta tttctgggtg gccacataca tcatccaaaa 60
actttattat tgaattacaa ctaataagca atctaaaagg ggcaccacca atgatgtgtt 120
gttggttagga ggccgctcgg tctgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag ggttgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct 240
gtgtcaagaa ggaagcacgg tttgctgcag ctagctggct aaatggtagt agtatttgct 300
gctgcaaata agcagcgggg ttcagtgcgg ccaattgggt aaatggaaga agttgttggt 360
gctgagagta ggcagtagct agctggctga atggtaatag ttgttgctgc aaataagcag 420
cagggttcag tgtagacagt tggttgaatg gaagaaattg ttgttgctga gagtagggag 480
aaaggtttgc cagagctact tggttgatca caggtagcac gagttgctgc agctgctgtg 540
ccctgatggg ttgtaccaat gactgcacca aa 572

<210> 8296

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-E2

<400> 8296

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tcacctcgca tctaccagtg tgctctcaag ggaaacaaac attcgggtcca caccagaaa 120
tataaaatgt tcatcaaaga caaaagatag attctgcaga agaacaaaaa agagaaacat 180
gtgctagcag agggaccctt gcgccactct acttttcagt tctcctgctt catttatctt 240
cattgctgtc tgttattatt ggacttggtg ggctgcgcc aatgacccat acaagtttgt 300
tctttctcgg caagccttca tcagaatcg ctcaggcgtg ccaaatcatt gatcacttcg 360
cttgggcccgc tgggtggctca cctgcagctc ttggatcctc atccgtacat gccacttgca 420
gtgctggagt atagaagctt atgaacgga 449

<210> 8297

<211> 473

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E5

 <400> 8297

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 gcaaaattac aaggattatg caggtaaaga aaaggaagtt ggtatcccag aaaagctcca 120
 tttcgtttaa caagtgagga gagtggagta aagtttccag gtagtcctga tgtaaagttt 180
 ccagtagcaa gcgatttctt cagctcttga cgacaatcac tcggcatggg tgctactttg 240
 gtggacgacg atcgggtgtac atgtcctgaa tattttcttt gatataattg gctgttttgt 300
 ttagattctt cgcaacacct gaagcgacca gtccagcgct cctcttaaac ctgtccaaga 360
 attcctgcct cgacaagttc tgaggtctct gttgtccttg ttggtgagag cggatggtag 420
 ctgctgcac ctttgcaaca tgtgctggag cttgttcagt tgccgatggc ttt 473

<210> 8298
 <211> 228
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-E9

 <400> 8298

 aaccttataa cttgcgatgt aaaaacggaa tatcaaaagt gctaaaacag agaaagtttc 60
 gcctgtaaaa acggaatatc aaaagtgatt tcgcctcgct aagttccctt cttctaaccg 120
 aatataaata cggtagccct cagtaagtcc tcatctataa ctcccggcag agtccaacat 180
 ttgtggttgt ccaaaacttt catagcatgc cagactgcag ccttacac 228

<210> 8299
 <211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-F1

 <400> 8299

 gagataaatc tcaatcaata tattgattat ttctaggaaa cacatgccgg aatgagggca 60
 ccattatcga gtacatctca tatgtaatct aaaagatggc acctccaacg atgggttgct 120

gcctcgacaa gacaggggtt atcaaagaga actggttgta tggcagcaat tgttgctgct 180
 gtaggaaggg agcgaccaat gggtagcca ctgctagtgg attaagtaac tgttgctgct 240
 gttgtaggta cgcagcagag ttcgacataa tcagttgggt gaatggaagc agcttggtgca 300
 agtaggcaaa aagggttgcc acaactagct gagtcagagc ttgtacaatt tgttgcaaca 360
 aattgttgt 369

<210> 8300

<211> 447

<212> DNA

<213> Zea mays

<223> : Clone ID: LIB3061-090-Q1-N6-F10

<400> 8300

gggggaaaaa cccaaacaaa tttttggttt tttttgggaa aaccaacccc ttttgggggg 60
 ccccttttgg gggccctttt tttttgtaat aaaaaagggg gccccccac cggggggtgg 120
 ttcccccaa aggggggggt taaaaaaaaa aaacggtttt ttgggaaaaa tttttttttt 180
 ttttgaagg gccccccca tgggtttccc ccccttggg ggtaaaaaa actgtggccc 240
 ttttgggggg cccccaaaa atttcccccc accaatttgt ttaaaggaaa ttttttttta 300
 aaaaaggcca aagggttttc cccacttgc ttgaaaaaa ccggggccaat tttgtgcaaa 360
 aacctgtttt gaaacaacct tttttgccg ttttttgggg cctttcccaa aagggggggg 420
 gttaaaaaaa aaaaattttt tcttttt 447

<210> 8301

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F11

<400> 8301

ggaggaacat aggtttgtta ttggaacag attacacact tgattggcat tccacacgca 60
 accgatcgat atgacgatta tactcctatt tattagcacc agctatatat agccatgtct 120
 ggagtctgga gtctggacta gcaagcaacc gagatcgatg catgatacag agatagattc 180
 atcggtttgc atgagcatgg ctgtttgcc gccactatgt tacaccacc acgcatgtac 240

aaagttctgt atcgtcgcat cgcctccgcc tgatgatgat cgatcagtgc agcgccgtca 300
ggacagtaga cccttcacc accttgaaag tggcaccgca gatctcttct tcgtcggcgg 360
ggacagcggg gaccttgtgc ttgggggttct cgtagcactt gagccctccg agggcggttg 420
agtagaagca gccttgcggg aacggcgcca ggcacttgcc gcatgagcct ttgagcatgt 480
cgatgtcgtc 490

<210> 8302

<211> 124

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F3

<400> 8302

gttgtgtggt ttttttggtt gttttttgtt gttgtttttt tttttgttaa ggagtggttt 60
gggggtgggg ggtaaggaga ggggtgggagg gaggggaggg aggggggggg ggggggagga 120
gggg 124

<210> 8303

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F6

<400> 8303

aaccctggta gctagtactg gtcgccgccg gagaagagct gcaactcctgg ggctccgaca 60
gccggcacat catcggaac ccgcggcgt actcccgggc ctctgtaagc ctcacgcggc 120
cgatccttgg ccgggtggtg ccgggacgac acggtggata catctgcgtt tggatatcct 180
ctcctgcccg gctgcagggg tagtagtagc cccctgtcc tctcctcct cctgcgggc 240
gcggtctgtg ctgccgccc catggccacc agcctttctc cagaggcggc atggcctcct 300
cgtagccct gaccatgctc cggatggcgg cgcagcggca ctgcgggctc acgtcctgga 360
gctgctggca gcaccgcatc cggagcccgg tgccccaccg gaaacggccg ccgacgccgc 420
cgccggttag ctgccggtcg aggacctggc ggcacgcgtc gagcgggctc ttctggacct 480
cctgccagca ctgcaggtcc ctg 503

<210> 8304

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F7

<400> 8304

ggggaaaaat ctcaaacaaa tttttggttt tttttgggaa aaaaattggg ggttgggggg 60
ccccttgggg gggccctttc atttgtaatc taaaaaaggg gccccccaaa aatgggtttt 120
tgcaaggggg gggttataaa aaaaaactgg gtgtttggga aaaatttttt tttttttttt 180
aggaaggggg ccccaaaagg ggttgcpccc gccaaagggt aaaaaaatg ggggcccttt 240
tggggggccc caaaaaagt tggaccaacc ccgtgggtta atggaaacaa cttgtgtaaa 300
gagggaaaaa ggtt 314

<210> 8305

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-F8

<400> 8305

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ctgccacca tggtgatgcg tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgcggctgct gctgcaggat 300
ggactggagg accaagccga agatcgctg gtaccggtgc tgcggctcca cctgcctgag 360
ctgctggcaa cactgctgcc gcaacgactg gcactgaggc gagcagtaag gcgtcgccgt 420
cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctg 475

<210> 8306

<211> 130

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-090-Q1-N6-G1

<400> 8306

aatattaatt ttttatttaa tatttggnat aaaaataaag aggaagaaga atatttatgt 60
gggggggggg gagagaagat taaaaaaaaa gtagatagag gtagaataga aaaaagaaga 120
aagaaggagg 130

<210> 8307

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-090-Q1-N6-G10

<400> 8307

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cggattgggg gcacaagagg atcagatcat cagacccaan attcagtatt cgttcctctg 120
agcccagcca aagccaacac gacgtcgttc gttcccagga tccaaatcct cgggtgtttac 180
tactactaat aataacataa aaatggaacc aaattcctga agatttctac agcatttggt 240
tgaagttgga acacacgagc atttacgcaa ccagtccttt ttccttttca tcaatcactg 300
agcctcttct tcagcttcgg cggcggcaat ctctgaatcc aagagggaga tgaactgctg 360
gtcacatgc ttggcgacag atatcatgtc gaagatgacg cttggatcca gccctgcccc 420
tcccctcttg gtaagcccg atactctggc atgcctgttg actgacaccg aactgcaga 480
actcatctgg gattcttct ctgaggtggc atcaacgatg tagtgccgac ccaccttggg 540
taatgtaata ataac 555

<210> 8308

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G11

<400> 8308

agaatctaga aatgtacttt cttatttctg ggaagccaca aacatcagac aaaaaacttt 60

attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
 gtagaacact gctagggttg tcaaagcaag ttgggtgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttggtg 240
 caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca ggagagttca atgctgccag ttgggtgaat ggaagaaatt gttgggggta 360
 ggcaacaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
 tgcagctagt tgggtgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
 tagcacaagt tgttgtagtt gttgtgccct gatgttttgt gccataaat gcaccaaagg 540
 taactgctgt aatagggtg atg 563

<210> 8309

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G3

<400> 8309

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 gagggcgccc ccctacaaaa cgaacaggcc tggctccata gcccgggga caacgttcaa 120
 aaaacaaaaa cggcaaagcc cgcaaaatta ttcagggcgc aagcaccggg taattttaca 180
 gggcgataac tggctaccaa aaacccttct cgggagactc gaagaactgg ggccccatct 240
 cccgggaaac caaaaagcaa aagagttttt ttcctttcat tccttttgaa aaccgggttc 300
 attcgttttt tttttcgaac ttggccccgt cagccccccc ttgaggg 347

<210> 8310

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G5

<400> 8310

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 cagggtagca gacaagctat acatgcacaa cagtagcatt caaaattaca cgacacaacc 120

cccttcccc tttccccggt tcaccgtcac ttcccaacca acagcaatca acaccgacat 180
caggaataac tcctcttgac gatcaccaag aataattagc gcaggactca acaacaagac 240
gacaaaaaag agcaaaactc cccatggtct tttttctcgc cggtgccagg gcacaccagc 300
catttgtaag tcacgcccc ctcctcaatt gctgccgcac ttgaagccgt ggcacaccga 360
caggatgatg atgaggatca gcgcgatgat gatgcccaag acgatcagct tgatcttcat 420
gttttgagc cacatcttt gccgcacgtt ggtgccctgc tgtctgaaaa cctgtgcctg 480
agaaccaga ttttccggac ccgtggg 507

<210> 8311

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G6

<400> 8311

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actataactc ataagcaatc taaagggggc accaccaatg atgggttggt ggtagaacac 120
tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaagagggt 180
gccagcggtta ggcatagcgt gcaggtagaa cggcaacaac tggtgttggt tcaagaaggc 240
agcagggtc acatcagcta gctggctgaa tggtagtagt tggtgctgct gtaaataagc 300
agcagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt aggcagcaac 360
tagctggctg aatggtaatt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
gttgaatgga agaaactgat gttgctgaaa gtatgcagca aggtttgcta gcacaagttt 480
gttgtaattg ttgtgccctg atgttttggt ccaccaatgg gcccagta actgctgtaa 540
tagggtgac ggttggt 557

<210> 8312

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G7

<400> 8312

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 aaaaactttc atccaggccc agagcagttt tcaaataaca taaaacctct atcacataat 120
 cattggtggc aaaaacaaaa gagatgagga aaaggcggtc ccacaaccat cagatgaccg 180
 ggaagagtct agtcgatctc ctggaaagag gcgcgggtgg cggcgccacc agcggggggg 240
 gcagcgacct cttcggcagt aaacttgccc ttagccttgt cggggggcgcg gccccggggc 300
 ttgcggtcga ggagagcctt acggtccttg tcgagcttca acttggtgac caacactttg 360
 gaggggggga tgcccacgtt cacgggggga ccgttcacct ttttcgggt gatc 414

<210> 8313

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G8

<400> 8313

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 tgtacataat tgtttgaatc aaccatctag accgtctacc atcaaattaa aaaaaactcc 120
 ctaatcattg tgcagttgaa agcaatagtt gctagtatcg gagtaacgga agggatggca 180
 atgttgctgt gaatctgaaa gttgctgact acgtatatat gcacattcat acatcaaac 240
 ctggcatcgc aaactgtgac gcaaatgcct caacctgatt tcggagttct ataacatcat 300
 tattgttctg taggcctctt agaaactcct tttgcacttt gccatgttct ttcagaacat 360
 tgttagcaat ttgagtagcc cttatgagga agtctgcaat cacctcgaag tcctcttcta 420
 agcaacctct agtagtcatt gcagggtgtc caatccgcac accacctggc gatatcgagc 480
 cattatctcc ataaattggg gtcttgttga caggaatgtg gcatg 525

<210> 8314

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-G9

<400> 8314

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cattattgaa ctataactca taagcaatct aaagggggca ccaccaatga tgggttggtg 120
 gtagaact gttgggtttg tcaaagcaag ttgggtgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcggttag gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
 caagaaggca gcagggctca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca gcagagttca atgctgctag ttgggtgaat ggaagaaatt gctgggggta 360
 ggcagcaact agctggctga atggtaattg ttgttgcaaa taagcagcag agttcaatgc 420
 agccagttgg ttgaatggaa gaaactgatg ttgctgagag tatgcagcaa ggtttgctag 480
 cacaagttgt tgtagttggt gtgccctgat gttttgtg 518

<210> 8315

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H11

<400> 8315

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 taattaggac cctagcttat ataaagcatg tctttttggt atctgtactt gatataatta 120
 ataaaaaaat acaagtaaat gtcacccctt ggatctcttc attttcacaa tgaagtcac 180
 gtcgtcgtcg tcaactgtaat caactcttct ctttgccctg gaatccataa tgccctggctt 240
 cttggaactt tcaggtttat tatcttttct cactgcacaa gacttgattg gggtagccat 300
 cctcacttgc tgctgccgct tttgcttcct ttcatatgcc ttccttgctc tctcaggaga 360
 caacatacca tgctccatca accagaattc agccatctca ctggagggga tctgcttgga 420
 cagtgactcg tagaaaatcc tgagaggctc cctctcctcc ggaggatcga acttctggcc 480
 gggcaaggag tagaccttct tgctggcctt ccctctacct ctacctctgc tgctgctggt 540
 ggtgggtcca cgcttggtag ctg 563

<210> 8316

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H12

<400> 8316

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acctaattga ataccacata cacctattaa ttcaacagat ataggaaact cgttacaat 120
tctaacaatt caacttggat ccttgcaacc gaaaaaata aaaccctaca acacaaaatc 180
aaacccttca cccctattct tcatttctcc taaccaaaat caccgagaca aacacttgaa 240
cacaagcgtg tactctgtgc tccctccgtt tctgctacac cccttgtctt ctttgttgga 300
ttacttcggg cagataattt gaggaagagg aggaacagtg gtgccaaactg tcgacagctg 360
atcttgtaaa tgggagacca cgtcgaaatc atgccttcca tgtgatgcac catccagcag 420
atctgttcac ctggtatgca catccctgtc gcctccaggc atgccatggt tgacagggca 480
tgggctaagc aatgggattg tggcttctat gatgttatgg aacagagttg atattgagga 540
atggatcatgt cccaatttta c 561

<210> 8317

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-090-Q1-N6-H3

<400> 8317

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tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgagtt 180
gtaagagggt gccagcgta ggcgcagcgt gctggtagaa cggcaacaac tgtgggtgta 240
tcaagaagggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgcca gttgggtgaa tgggaagaaat tgctgggggt 360
aggcagcagg tagctggctg aatggtagtt gttgggtgtg caaataagaa agcagattca 420
atgcagctag ttgggtgaat ggaagaaact gctgttgctg agagtaggca acagggttgc 480
t 481

<210> 8318

<211> 192

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-H6

 <400> 8318

 gggggaaaaa aatttttttt tttggggggg ggcttttttt ttgcccaaaa aaattttttt 60
 ttgatttcac atattaaaaa aatttaaaaa gggggccccc aaaaattttt ttttgggaaa 120
 aaagggtttt ggtttttaaa aaaagggttg ggaaaagggg gcaaattttg ggatttttaa 180
 aaaggggtgg gg 192

<210> 8319
 <211> 196
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-H7

 <400> 8319

 gggaacaaaa cttttttttt ttaatttaaa atggtcatta gggggattgg ttaaactgac 60
 ccttcccccc aggggggggc ggggcaaatt ttttctaaaa aattggcctt taaagactta 120
 aataggtggt tgggcggggg gtttaataca acaaaaattt tttttagggg gggaaacccc 180
 cggcagaaaa tatggg 196

<210> 8320
 <211> 511
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-090-Q1-N6-H8

 <400> 8320

 ggaacaatac ttttttcttt tcatttcaat tgttcattca ggtcattgct cacactgaca 60
 ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgcggctgct gctgcaggat 300
 ggactggagg accaagccga agatcgctg gtaccggtgc tgcggctcca cctgcctgag 360

ctgctggcaa cactgctgcc gcaacgactg gcaactgaggg gagcagtagg gcgtcgccgt 420
 cgggctgcac tgatgcctca gaaactcgac gcaactggccc aggatcgggg gtgctgcaa 480
 cgcccgagc tccctgcagc tggcacgggc t 511

<210> 8321

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-A10

<400> 8321

cacgcgttct ttaacttggc tccttttaaa cggccgccc tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttttttgaga acttaagcag gggctttatc aaatgattag 120
 agcacaatca acactttggc aacacttttg cccattcagt gacactttag ttttggcatt 180
 tacattacca acatttgaaa ggaaattagg agcaaaatgg gagcacctta gccttaaagg 240
 cagccacaca ggcgacatgg gattttttcc ataaacctcc ttgatacat ttgataaccg 300
 cacttccagg ttgaaacaca gcttaagagc agcattaaaa actgctgacc gtccttttat 360
 ttggcttttg attcaaaacc attccaacct ttgggcttgg agcttggtgc ccttgaaaca 420
 atttttttgc aatctcataa aatatttcat tcacattgat tgcagtttta gcaaagtgtt 480
 tcattaaaaa aagcccattt ttcttagcat acccctttgc tttcttttgc tgcaccttcc 540
 ttgcatttag catattaacc tttttttcag caagagccct attgtttttt t 591

<210> 8322

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-A9

<400> 8322

ttttgggtgt ttctagaaag tctttctttt ttgggagccc aaactcagat aaaaaacttt 60
 ttttgaactt aactcataag aaactaaagg gggcaccacc aatgatgggt tgttggtaga 120
 aactgctgg gtttgtgaag agcaagtgg ttgaatggca gcaattgttg cagttgtaag 180
 agggtgccag cgttaggcgc aacgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240

aaggtacgag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
 taagcaggag agttcaatgc tgctagttgg ttgaatggaa gaaattgttg ggggtaggca 360
 gaaggtagct ggctgaatgg tagttgttgt tgttgcaatt aataagcgga gttcaatgaa 420
 cccagttggt ttgaatggaa ag 442

<210> 8323

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-B2

<400> 8323

gcacgcgttc tttaacttgg ttccttttan acggccgccc tttttttttt tttttttttt 60
 ttttttttta tcgaggtaaa tctcaatcaa tatattgatt attttttagga aacacatgcc 120
 gctatgaggg caccattatc gagtacatct catatgtaat ctaaaagagg caccaccaac 180
 gatgggttgc tgccacgaca aggcagggtt catcaaagag aactgggttg atggcagcaa 240
 ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc accgctagtg gattaagtaa 300
 ctgttgctgc tgttgtaggt acgcagcaga gtctgacaca gtcagttggt tgaatggaag 360
 tagttgttgc aagtaggcag cagggtttgc cacagctagc tgagtaagag ctggtacaat 420
 ttgttgcagc aactgttggt gcaacaactg ttgttgcagg tatgtaggtg cattgccccat 480
 agcgagcggg ctagatgaaa gaagtgttgc tgttgtaggt aggcgatagg gttcaccatg 540
 gctagttgac tgagcgctgg tagaaactgt tgcaactggt gttgttggtg gtat 594

<210> 8324

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-B5

<400> 8324

ggaaagtaac ttttttattt ttggttggtc ccattcatta tccaaaaaac tttatttttg 60
 aattacaact aataatcaat ctaaaaaagg ccccccaat tatttttttt tggtaggagg 120

cttcttggtt tgtcaaaaca agttggacaa agggcaacaa ttgttttatt tttaaaaagg 180
 ttgcggggtt agccccaac tgcttgtaaa aaggcagcaa cttttgcttt ttcaaaaagg 240
 aagcaccact tgctgcagct agctcgctaa atggcagtag tatttgctgc tgcaaataag 300
 caacgggggtt caatgcggcc aattgggttaa atggaaaaat ttttttttct taaagttggc 360
 agtaactagc ttgctaaatg gtaatagttg ttgctgcaaa taaac 405

<210> 8325

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-B6

<400> 8325

ctcaacagca atcgccaat atttcttatt tggaaaacac ctttcccccc tctccataac 60
 aaagtatagc aatcaaatca aacggacccc atttttgaca cattaacctg aagattttta 120
 taggattcac tttggttatt agattcagac ataaccaagc tgtcgttgcc cccaacggaa 180
 tttaaggctc cgcgcgcgag ctcccatgcc tcgagcttgg acacctccac cgtgccgctg 240
 ccattgttga acacgaacat gtggctgttg ctcgtctccg cgtgctcagg gtacactcga 300
 gccgtgatgc acatccgccc gtcagctccg aagagtctcc accaccgagt gatcaatcag 360
 gggttctcaa ttgatggtct cgtgctcctc aacgtcgacg tccacgaatc ctccgtatgg 420
 cggcttgtag acgcctgccc tcgtggacga ccttgctcagg tcagtgcaca tgagaagctt 480
 gtacctgcca tggtagctga acgcgcggaa gaaacagcgg tgtgctcgc 529

<210> 8326

<211> 348

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-C1

<400> 8326

agaaatgtct ttcttatttn tgggaagcca caaactcaga caaaaaattt attattgaac 60
 tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg gtagaacgct 120
 gctggggttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagagggtg 180

ccagcgtag gcgcagtgtg ctggtagaac ggtaacaact gtggttgat taagaaggta 240
 gnagggctta caccagctag ctggctgaat ggtagtagtt gttgttggtg taaataagca 300
 ggagagttca atgcttcag ttggtttaat ggaagaaatt gttggggg 348

<210> 8327

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-C8

<400> 8327

ctagaaagta ctttcttatt tctgggacgc cacaaacatc atccaaaaac ttcattattg 60
 aactataact cataagcaat ctaaaagggg gcaccaccaa tgatgggttg ttggtagaac 120
 actgttggtt ttgtcaaagc aagttggttg aatggcagca attgttcag ttgtaagagg 180
 gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
 gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcagcagagt tcaatgctgc tagttggttg aatggaagaa attgctgggg gtaggcagca 360
 actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
 tggttgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480
 tgttgtagtt gttgtgccct gatgttttgt gccaccaaat ggacca 526

<210> 8328

<211> 470

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-C9

<400> 8328

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 ctataactca taagaaacta aagggggcac caccaatgat gggttgttg tagaacgtg 120
 ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt aagaggggtg 180
 cagcgtagg gcgcagcgtgc tggtagaacg gcaacaactg tggttgtatc aagaaggtag 240
 cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt aaataagcag 300

gagagttcaa tgctgccagt tgggtgaatg gaagaaattg ctgggggtag gcagcaggta 360
gctggctgaa tggtagttgt tggtgttgca aataagaagc agagttcaat gcagctagtt 420
ggttgaatgg aagaaactgc tggtgctgag agtaggcagc aaggtttgct 470

<210> 8329

<211> 542

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-D5

<400> 8329

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gctgttggcc cctgttctct tcttccgata ctttcacacg catcaccctt attgcagcag 120
cgagcagcct cggctcactg cctggtggtg gtaccggtgg tggctgcgtt gctcgtcac 180
ttcacagcca ccgcagcacc ggcgatcgcc gtgcgctctt ccccgccggc gttgtcggcg 240
gtaccggtac gggcgatcag cgactcctcg cgggtggaacc aggtctgctg cttcgcgatg 300
aacgcctcca ccgccagccg gaacgcctct gcgtcgctca tccccagctc caccggcgcc 360
gccgcgcgcg ccgccgcga acgtcgttgc cggcgccctgc cgctctccga cttggcacgc 420
cgcagctccg ccgacgcgc cctcgccgtg ccgcccgctg cgcgcgcggt cttctccgac 480
atggccccgc gggggggtg ggcgcgcact gtcctcgctg ggtgcgcgc ctccttgccg 540
tc 542

<210> 8330

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-E4

<400> 8330

accccgaaaa tgaacatgac ctcacattga gttgagtttg ctgctctctt ctacgattat 60
agagaaaaac ctactgtat cctcagctca gaattcgtct ttccgaggaa gcaattcttt 120
ttcatcagtc aaaaatttgc atggtattat ttccagaaag caaaaaacag tcggcgggaa 180

agcactggta agtaacttta tatgtcaagc agcaacctcc tggggtcctc aacgacatcc 240
 ttgatgcgac ggaggaagaa tacagcctct ctgccatcga tcagcctgtg gtcatatgtc 300
 agcgcaagga acatcattgg ccttgcgaga atgtcaccat tcacaaccac agggcggttg 360
 acaatggaat gcatccccag aattgacgac tgtgggggggt tgatgatagg tgtgctgagg 420
 aggcttccat agacaccacc attggagata gtgaatgttc ctctgccat gtcatcaatc 480
 gagagcgccc cctcatttgc cttcttttga aggttgttta tccctttctc aa 532

<210> 8331

<211> 527

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-E6

<400> 8331

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 ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt ggtagaacac 120
 tgctggggtt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt gtaagagggt 180
 gccagcgtaa ggcgcaacgt gctggtagaa cggcaacaac tgtggttggt tcaagaagg 240
 agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct gtaaataagc 300
 aggagagttc aatgctgcta gttggttgaa tgggaagaaat tgctgggggt aggcagcagg 360
 tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca atgaacctag 420
 ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg ctagcacaag 480
 ttgttgtagt tgttgtgccc tgatgttttg tgccaataaa tgcaccc 527

<210> 8332

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-F11

<400> 8332

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 gactcaaaac agagactctt tgattgtagg agctgatcca ctcatctat atctgtgtta 120

tcctctttgc tgctgccgt tgtgctgcta ctgcattgct catcttccat ccgtggaagg 180
 ccagagaaca ggtttacggg ccatgaggct gattgcgttg ggtaccttgc ctgtggctgt 240
 gccacatggt tgggagcttt gtggctcttca cacggctcat ggccttcggc agatgccact 300
 tctggaaaga gcttcagttc gagtgggtgg gggcatgag gtggtttggc cattgctgat 360
 ggtgccagt gctgctgcaa cgggaatata acgcttgcaa tgggtgggtgg ttgcatcgcc 420
 tgctccgacg agaacactgc cgttgagtga ggaagagggg gatctgatct ggcggtgcca 480
 tggccccaac ctgctggact gcctg 505

<210> 8333

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-N6-F2

<400> 8333

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 attacaacta ataagcaatc taaaagaggc accaccaatg atgtgttggt ggtaggaggc 120
 cgctcggctc gtcaaagcaa gttggacaaa gggcaacaat tggtgtagtt gtaagagggt 180
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 agcacggttt gctgcagcta gctggctaaa tggtagtagt atttgctgct gcaaataagc 300
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 agtagctagc tggctgaatg gtaatagttg ttgctgcaaa taagcagcag ggttcagtgt 420
 agacagttgg ttgaatggaa gaaattgttg ttgttgaaag tagggagaaa gggttgtcag 480
 agcttcttgg tttgtcacag gtag 504

<210> 8334

<211> 356

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-N6-G2

<400> 8334

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gcaccattat cgagtacatt tnatatgtaa tctaaaagag gcacctcaa cgatggggttg 120
 ctgccttgac aagacaggat tcatcaaaga gaactgggttg tatggcagca attgttgctg 180
 ctgtaggaag gcggggacca atggggttagc cactaccaat ggattaagta actgttgctg 240
 ctgttgtagg tacgcagcag agttcgacag agtcagttgg ttgaatggaa gcagctgttg 300
 caagtaggca acaggggttg ccacagctag ttgagtcaga gctggtacaa tttgtt 356

<210> 8335
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-B3

<400> 8335

tttttttttt ttagaaatgt actttcttat ttctgggaag ccacaaacat cagacaaaaa 60
 atttattatt gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt 120
 gttggtagaa cgctgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca 180
 gttgtaagag ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggtt 240
 gtatcaagaa ggtagcaggg ctcacaccag ctagctggct gaatggtagt agttgttgct 300
 gctgtaaata agcaggagag ttcaatgctg ccagttgggtt gaatggaaga aattgctggg 360
 ggtaggcagc aagtagctgg ctgaatggta gttgttggtt ttgcaaataa aaagcatagt 420
 tcaatgcagc ttgttggttg aatgg 445

<210> 8336
 <211> 412
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-C2

<400> 8336

gggagaaaaa aaaccttcaa gctttggcaa gtgtatgcaa caaaaaagaa gaaaaagaaa 60
 aagatcaatc atcaatctca gtatacgcat ttcatcgaa ctccaaacag catgagcttg 120
 agataatctg gattacagac gctgctgcac gcaggagagg cctttactaa tgggtgaagg 180

cagtgcagac tttntgatc tctcgttct tccccgtctt tacccttagc cttcccagct 240
 tgagcatggc ggggacgaaa gcattgaaga agttcttttg gctggcgng aacatgttga 300
 caatgggcct ggtggtcttg ttggcgtaaa gcacctggtt ggaggtgaag agacccaaac 360
 cgttctggag gttggggtaa taagcgttgt tgaacctgat gggggtgacg gg 412

<210> 8337
 <211> 104
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-C6

<400> 8337

tttttttttt tttttatttt ttttttttat ttcttttttt tatttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttt 104

<210> 8338
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-D2

<400> 8338

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
 tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
 ggtagaacgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
 gtaagagggt gccagcgtta ggcgcagcgt gctggttgaa cggcaacaac tgtggttagta 240
 tcaagaagggt agcatggctc acaccagata gctggctgaa tggaaataga ggaagctggt 300
 gtgaataa 308

<210> 8339
 <211> 591
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-D4

<400> 8339

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 tttagaaatg tactttctta tttctgggaa gccacaaaca tcatccaaaa aacttcatta 120
 ttgaactata actcataagc aatctaaaag gggcaccgcc aatgatgggt tgttggtaga 180
 acgttggttg gtttgtcaaa gcaagttgggt tgaatggcag caattgttgc agttgtaaga 240
 ggggtgccagc gttaggcgca gcgtgcaggt agaacggcaa caactgttgt tgtgtcaaga 300
 aggcaacagg gctcacatca gctagctggc tgaatgggtg tagctgttgc tgtgtgaaat 360
 aagcagcaga gttcaatgct gccagttgggt tgaatggaaa gaattgctgg gggtaggcag 420
 cagctagctg actgaatggt agttgttgtt gcaaataagc agcaaagttc aatgcagcca 480
 gttggttgga tggaagaaac tgctgttgc gagagtaggc agaaagggtt tctagcacia 540
 gttgtttagt ttgttgtgcc ttgaagtttt gtgccacaaa atgccccaaa g 591

<210> 8340

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-092-Q1-N6-E10

<400> 8340

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 ctgccacca tggtgatgcg tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgccaaca gcccgcgac ctggccgctt tgccggctgct gctgcaggat 300
 ggactggagg accaagccga agatcgctg gtaccgggtg tgccggctcca cctgcctgag 360
 ctgctggcaa cactgctgcc gcaacgactg gcactgaggc gagcagtagg gcgtcgccgt 420
 cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctgccaac 480
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 tggttgggga tgaggctgag gcccgggcgg t 571

<210> 8341

<211> 495

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-092-Q1-N6-E11
 <400> 8341

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 ctttgtcggg tccattttaat ttgtaatacta aagttggccc ctccaacgtt gggttgttgc 120
 agggcagggg tcttaaaaaa gaactgggtt tttggcacca tttgttggtt ttgttgcagg 180
 aaggtaccac ccaatggggt agccactgcc aatgggttaa gtaactgttgc tcgttgttgc 240
 aggtcccccac caaattttgc cccacccagt tgggtgattg gaaccaactg ttgtaagtag 300
 gcaccagggt ttgccacagt tagctgatta aaacctgggc caatttggtt caccacctgt 360
 tggtgttaggt ccttaggtcc tttggccacc ggaggcgggt taaataaaat tagttttagg 420
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 tggtgttgct gggtt 495

<210> 8342
 <211> 499
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-E3
 <400> 8342

gaatctggna atgtaacttc ttattttctgg ttggccacat acatcatcca aaaaacttta 60
 ttattgaatt acaactaata atcaatctaa aagaggcacc accaatgatg tggtgttggt 120
 agggaggctgc tgggtttgtc aaagcaagtt ggacaaaggg caacaattgt ttagattgta 180
 agagggttgc ggggttagcc gcaaactgct ttagaaaagg cagcaactgt tgctgtgtca 240
 agaaggaagc acgacttgct gcagctagct cgctaaatgg cagtagtatt tgctgtgtca 300
 aataagcagc ggggttcagt gcggccaatt ggtaaatgg aagaagttgt tggtgtgag 360
 agtaggcagt agctagctgg ctaaattgta atagttgtt ctgcaaataa gcagcagggt 420
 tcagtgtaaa cagttggtt aatggaaaaa aattgttgtt gctgaagata ggggaaaaag 480
 gtttgccaaa actacttg 499

<210> 8343
 <211> 93
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-092-Q1-N6-F6

 <400> 8343

 gaatctagaa agtactttct tatttctggg aagccacaaa catcagacaa aaactttatt 60
 attgaactat aactcataag aaatctaacg cag 93

<210> 8344
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-092-Q1-N6-G6

 <400> 8344

 gaatctagaa atgtactttc ttatttctgg gaagccacaa acatcagaca aaaactttat 60
 tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgg 120
 agaatgctgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaactgt ggttggtgca 240
 agaaggtagc aggggtcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
 aataagcagg agagttcaat gctgtcagtt ggttgaatgg aagaaattgc tgggggtagg 360
 cagcagatag ctggctgaat ggtagttgtt gttgttgcaa ataagaagca aagttcaatg 420
 cacctagttg gttgaatgga aaaaactgct gttgctggag ataggcaaca aggtttgcta 480
 gcacaagttg ttgt 494

<210> 8345
 <211> 154
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-092-Q1-N6-G9

 <400> 8345

 tttgggtttt tttttttttt ttttntntn tttttttttt tttttttttt tttttttttt 60

tttttttttt ttggtttttt tgggtttttt ttttgggggt ttttggggga ggggcgtgtt 120
 atttttgggg gggcccgag gcccccgag gaag 154

<210> 8346
 <211> 337
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-A3

<400> 8346

ggggaggggg ggggtggggg ggggaggggg ggaggggggt ggggggggtt gggagggggg 60
 gggagggggg gggggggtta tagggttttag agggggagag agagggaggg ggggggagag 120
 tgagggggga agggaagagg aaaagagaga agagaggtgt agagaaggag gaggagtga 180
 aaaggaggaa ganggaaaag aggaagaaag ggaggagaga aaagagaaga agggagaaaa 240
 agagaaaaag atagaaaaag agagaaagga gaggggaagag aaaaaagtga aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa gaggaaagga gagagag 337

<210> 8347
 <211> 126
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-B1

<400> 8347

gggggggggg ggttaagaaa taaatcttaa ttaatatatt gattatttnt aggaaacaca 60
 cgtnggtatg agggcaccat ttagagtgtt ttnattgtaa ataaaaaggt attttaagat 120
 ggggttg 126

<210> 8348
 <211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-B10

<400> 8348

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atggggttgtt 120
ggtagaatgc tgttgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgcagtt 180
gtaagaggggt gccagcggtta ggcgagcggt gctggtagaa cggcaacaat tgtgggttgtg 240
tcaagaaggt agcaggggtc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aaagctgtca gttgggtgaa tggaagaaat tgctgggggt 360
aggcagcaga tagctggctg aatggtagtt gttgttgttg caaataagaa gcagagttca 420
atgcagctag ttggtggaat ggaagaaact gttgttgcctg agagtaggca gcaagggttg 480
ctagcacaag ttgtttagt tgttgtgccc tgatgttttg tgccaataaa tgcaccaaag 540
taactgctgt aatagggctg atga 564

<210> 8349

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-B11

<400> 8349

ccgccctttg gggggggtgt ttgataaaca ttagcaagtg gtttgagccg tntgtttaca 60
aaatttgcca gttgcagagt cgtccattct ctctatttaa aactctcttc ttttttcaac 120
agctttcaat gaattgcaaa tacaggcttt tttattaaag gcggggggtg taattaccaa 180
atccggtacc tgtattcagg cgggcactca cagatgcgct gtcgnctaag gtctgccttt 240
aaccgtgcag ggctccaaag caagcacaac tgtgtatctc aaagagaaac caagctcacc 300
atattatcaa tcatgcgcca acctggcaac ttcgctcgcc cttgccaatg tgcaatgcat 360
gcactccctc tggcctgatc catgtgacct ggtcctctta aaatggcaat ggt 413

<210> 8350

<211> 155

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-B3

<400> 8350

agaaagtact ttcttatttc tgggaagcca caaacatcag acaaaaaact ttattattga 60
actataactc ataagaaatc taaaagtagg caccaccaat gatgggttgt tggaagaacg 120
ctgctggggtt tgtaaaagca aggtggatga atggc 155

<210> 8351

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-B7

<400> 8351

aaaggggggg gtcatttagg gggggggggg gatttgaaaa taagggtttt tgggatgagg 60
ggtggaaaag ggggaacaac aaagaaaaaa tgtggggaaa gaggggaagg gggatagaaa 120
gagggggggg ggggagaagc acaccaagaa agagaaggcg gtggaggggg tcagtaaggg 180
agaagaagaa aaaaaagaga aaaaaagaaa aggggggggg agaggaggga aatgatt 237

<210> 8352

<211> 402

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-C1

<400> 8352

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggng 60
ggnggggggg gggggggggg gggggggggg nggggggggg gggggggggg gggggggggg 120
gggggggggg ggggggtggg ggggggnggg gggggggggg gggggggggg gggggggggg 180
ggnggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggcggggggg 240
gggggggggg gggggggggg gggggggggg ggggntgggn nngggnggng gggggggggg 300
gggggggggg gggggggggg gggggggggg gggggggggg gggggggngg gggggggggg 360
ggggggnggg ggnggggggg gggggggggg ggcggggggg gg 402

<210> 8353

<211> 470

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C11

<400> 8353

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cttgaagggtc ttaaataatat agagaggaca acgcagcgag gatgcatggg cttttcatca 120
tcgattaaag tatcagaacc ttattgtggc gtgcatgcat gcatctgccg gttttcgaag 180
aagggtttttc ctcacattga cagccccaca catgccgcgc agcaacgagt accccgctat 240
cactccactg gagcatagac gacacatgtt ctgcttggtg tgtaaaccga gaacgaatat 300
ggcgstattat catgcgaaca gtcggcggtg aagtgtctcg ctgctgatg gatcctgcta 360
aatccaccaa atagtccagc gttgggggtc aagaccacct tataacccc aggcttgtcg 420
acaaccaat acggtgtgaa aatagctgtg tgggtgctttg gaagttggac 470

<210> 8354
<211> 221
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-093-Q1-N6-C2

<400> 8354

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ggtaatggaa atacaaaggg tcataaaaag gttttttttt atttntaggg gagnttataa 120
cattttattg tgggggggaaa aatggtgaag ggaaaatatt tttntaaag aataaaaaag 180
aaagaaaggt tgagtttttg ttaagggggt ttttccataa a 221

<210> 8355
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C3

<400> 8355

aatagcacia tcatgtttat taaaacatgg gggcaagctt ttcgcaggaa aaagcagatc 60

aaccgcccgt gagtggggaa ggcttgatgc aggctctagc acttcacaaa ggaatttgca 120
aaccattctt aatatgtctc gacgcagcga aactgtgggtg atggcaaata cgcacaacca 180
tcgatgggca aacgctcagg ctgactatcc ttttcgggca cactggtttt tgcacacttt 240
acacaacacc cctcctgcag ctgatcgaat tttcactcca cataccctaa tttagctgac 300
caattttttt gtaagcctct ttgctggagg gatatcgtca gaatttccca aaaaagtccg 360
acttgccatg gtccggccct tgattatggg ggg 393

<210> 8356
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-093-Q1-N6-C4

<400> 8356
aaaaatctag aaagtacttt cttattttctg ggaagccaca aacatcatcc aaaaaacttc 60
attattgaag tataactcat aagcaatcta aaaagggcac cacctattat gggttgttgg 120
tagaacgctg ttgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
aagaagggtgc cagcgttagg cgcagcgtgc aggttgaacg gcaacaactg ttgttgtgtc 240
aagaaggcaa cagggctcac aatcagctag ctggctgaat ggtggtagct gttgcttttg 300
taaataagca gcaaagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta 360
ggcagaagtt agctgactga atggtagttg ttgttgcaaa taagcagcag agtttcatgc 420
aaccggttgg ttgaatgg 438

<210> 8357
<211> 465
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-093-Q1-N6-C5

<400> 8357
ctagaaagta ctttcttatt tctgggaagc cacaaacatc agataaaaaa ctttattatt 60
gaacttaact catagaaact aaagggggca ccaccaatga tgggttgttg gtagaacact 120
gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagaggggt 180

ccagcgtagttag gcgcaacgtg ctggtagaac ggcaacaact gtggttgtgt caagaaggta 240
gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta ggcagcaggt 360
agctggctga atggtagttg ttgttttttg caaataagaa gcagagttca atgaacctag 420
tttgttgaat ggaaaaaact gctgttgctg agagtagcaa caagt 465

<210> 8358
<211> 537
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-093-Q1-N6-C7

<400> 8358

cgctcaaanc agcacagtat ggtaattaaa ctgatcaatt tacagcatga tgtatcccca 60
aatccaggcc cccaatgtcg attcaacatg taactaacat ttgctgctac aacattctac 120
cctacaacat tgaaggacac aaaagagcaa aaagaaagaa aaaatgcctt ggatgacact 180
tttattgtctc cgatgatctc caacagactg atctgcagat cacgcatgta accagggtgct 240
gatcattgtc gaatgtcgag acacacagct gcatgtcgca cgttcacttc atataactgt 300
tccactaggg agtaaagcat ccttgatcac tgtgacaatt ccacctttga tgaagtacc 360
gtctgtctcc attgcagctt cttgaacatt gtcagcattg agtatcttaa cattgtctcc 420
aattcgagca ttcttgtcaa tgattgtctt cctgatgcat gaaattttcc caataccaat 480
aggaatgccca cttttttcgg caaggagttt tttatcagct tctgtctcat agtagtc 537

<210> 8359
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C8

<400> 8359

gggcgaaata aaaaggtgc caaaccccc ccttaataat gcccttactc aaggaaaaac 60
aaggtttttg ggataaacac aaccaatttt gactgttctc ggtgggggcc cccccccaa 120
aataagacat tggttcattt tccgcttaat ttccaatgaa aatgttttcc aaatcccaaa 180

tttttattgt ttctttttgt cccatgaaat acattttcta aaaaattcgg tccccctttt 240
tatttttttac ccgccaatat ttcactctaa acaaaaactt tgaagttggt tttaattatt 300
ttgggcaagg aaattcccac ccccttaaaa taaaactttg gtttgcttgc ttgggggggc 360
tttaatttgc tctaaaaagg aaaaaaattt ttttt 395

<210> 8360
<211> 105
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-C9

<400> 8360

ggaccaaggg tttaaatttt attttggcaa gttttttatt ttacaatggt gaagcaaaag 60
ttattttaaa gtttctgcac aagcatttac aagttttttg ggggt 105

<210> 8361
<211> 557
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D10

<400> 8361

atatcgagga aaatctcaat caatatattg attattttta ggaaacacat gccgctatga 60
gggcaccatt atcgagtaca tctcatatgt aatctaaaag aggcaccacc aacgatgggt 120
tgctgccacg acaaggcagg gttcatcaaa gagaactggt tgtatggcag caattgttgc 180
tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
cgctgttgta ggtacgcagc agagtccgac acagtcagtt ggttgaatgg aagtagttgt 300
tgcaagtagg cagcagggtt tgccacagct agctgagtaa gagctggtac aatttgttgc 360
agcaactggt gttgcaacaa ctgttggtgc aggtatgtag gtgcattgcc catagcgagc 420
gggctagatg aaagaagttg ttgctgttgt aggtaggcga tagggttcac catggctagt 480
tgactgagcg ctggtagaaa ctgttgcaac tgttgttgtt gttggtatgc aactacgttt 540
gccaaaacaa gtgggtt 557

<210> 8362
 <211> 290
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-093-Q1-N6-D11

 <400> 8362

 aagatctaga atgtactttc ttattttctgg gaagccacaa acatcagaca aaaactttat 60
 tttgaactat aactcataag aaactaaaag aggcaccacc aatgatgggt tgttggtaga 120
 atgctgttgg gttgggtcaaa gcaagttgggt tgaatggcag caattgttgc agttgtaaga 180
 ggggtgccagc gttaggcgca gcgtgctgggt agaacggcaa caattgtgggt tgtgtcaaga 240
 aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc 290

<210> 8363
 <211> 370
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-093-Q1-N6-D3

 <400> 8363

 agaaatgtac tttcttattt ctgggaagcc acaaacatca gacaaaaaac ttattatttg 60
 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtt tggtagaac 120
 gctgctgggt ttgtcaaagc aagttgggtt aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtt tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gatgttgctg ctgtaaataa 300
 gcaggaaagt tcaatgctgc cagttgggtt aatggaaaaa attgctgggg gtaggcagca 360
 agaatctggc 370

<210> 8364
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-093-Q1-N6-D4

 <400> 8364

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ttgaactata actcataaga aatctaaaag agggcaccac caatgatggg ttgttggttag 120
 aacactgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
 agggtgccag cgtaggcgc aacgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240
 aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
 taagcaggag agttcaatgc tgctagttgg ttgaatggaa aaaattgctg ggggtaggca 360
 gcaggtagct ggctgaaag gtagttg 387

<210> 8365

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D6

<400> 8365

gaatctagaa atgtactttc ttatttctgg gaagccacaa acatcagaca aaaaacttta 60
 ttattgaact ataactcata agaaatctaa aagagggcac caccaatgat gggttgttgg 120
 tagaacgctg ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
 aagaggggtgc cagcgttagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtatc 240
 aagaaggtag cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt 300
 aaataagcag gagagttcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag 360
 gcagcaggta gctggctgaa tggtagttgt tggttgtgca aataagaagc agagttcaat 420
 gcagctagtt gggttgaatg gaaaaaactg ctgttgctga gtagtagcag c 471

<210> 8366

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D7

<400> 8366

agaactagaa atgtactttc ttatttctgg gaagccacaa acatcagaca aaaaacttta 60
 ttattgaact taactcataa gaaactaaag ggggcaccac caatgatggg ttgttggttag 120
 aatgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180

agggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg ttgtgtcaag 240
aaggtagcag ggctcacacc ag 262

<210> 8367
<211> 494
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D8

<400> 8367

atcgagataa atctcaatca atatattgat tatttctagg aaacacatgt cggtatgagg 60
gcaccattgt cgagtacatc tcatatgtaa tctaaaagag gcacctccaa cgatggggtt 120
ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattggt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac gcagcagagt ttgacacagc cagttgggtt aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360
ctgttggttgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgtag 480
ctgttggttgt tgct 494

<210> 8368
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-D9

<400> 8368

atcgagaaaa atctcaatca atatattgat tatttctagg aaacacatgt cggtatgagg 60
gcaccattgt cgagtacatc tcatatgtaa tctaaaagag gcacctccaa cgatggggtt 120
ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattggt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac gcagcagagt ttgacacagc cagttgggtt aatggaagca actgttgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360

ctgttgttgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actggttcag 480
ctgttgttgt tgctgggatg cagctacgtt cgccagaaca agtgggttgg atgcaagcag 540
ctgctgttgc aag 553

<210> 8369
<211> 514
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E10

<400> 8369

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agtataactc ataagcaatc taaaagaggc accaccaatg atgggttgtt ggtagaacgc 120
tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt gtaagagggt 180
gccagcgtaa ggcgacgct gcaggtagaa cggcaacaac tggtgttgtg tcaagaaggc 240
aacagggtc acatcagcta gctggctgaa tgggtgtagc tggtgctgtt gtaaataagc 300
agcagagttc aatgctgcc a gttggttgaa tggaagaaat tgctgggggt aggcagcagc 360
tagctgactg aatggtagtt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttccta gcacaagttg 480
ttgtagttgt tgtgccttga tgttttgtgc caac 514

<210> 8370
<211> 507
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E11

<400> 8370

tgggtgtttt tttaaaaatc tagaaatgta ctttcttatt tctgggacgc caciaaacatc 60
atccaaaaaa cttcattatt gaactataac tcataagcaa tctaaaagag gcaccaccaa 120
tgatgggttg ttggtagaac actgttgagt gtgtcaaagc aagttggttg aatggcagca 180
attgttcag ttgtaagagg gtgccagcgt taggcatagc gtgcaggtag aacggcaaca 240

actgttggtg tgtcaagaag gcagcagggc tcacatcagc tagctggctg aatggtagta 300
 gttgttgctg ctgtaaataa gcagcagagt tcaatgctgc tagttgggtg aatggaagaa 360
 attgctgggg gtaggcagca actagctggc tgaatggtaa ttgttggtgc aaataagcag 420
 cagagttcaa tgcagccagt tgggtgaatg gaaaaaactg atgttgctga aagtatgcaa 480
 caaggttttg ctagcacaaa gttgttt 507

<210> 8371
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E4

<400> 8371

agaaatgtac tttcttattt ctgggaagcc acaaacatca tccaaaaact tcattattga 60
 agtataactc ataagcaatc taaagggggc accaccaatg atgggttgtt ggtagaacac 120
 tgttggtttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt gtaagagggt 180
 gccagcgta gccatagcgt gcaggttgaa cggcaacaac tgttggttg tcaagaaggc 240
 agctgggctc acatcagcta gctggctgaa tggtagtagt tgttgcttgc tgtaaataag 300
 cagcagagtt caatgctggt agttggttga atggaagaaa ttgctggggg gtggcagcaa 360
 ctagctggct gaatggtaat tgttggtgca aataagcagc aaagttccc 409

<210> 8372
 <211> 555
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E5

<400> 8372

ctagaaagta ctttcttatt tctgggaagc cacaacatc agacaaaaaa ctttattatt 60
 gaactataac tcataagaaa tctaaaaaag ggcaccacca atgatgggtt gttggtagaa 120
 cgctgctggg tttgtcaaag caagttggtt gaatggcagc aattgttgca gttgtaagag 180
 ggtgccagcg ttaggcgcag cgtgctggtt gaacggcaac aactgtgggt gtatcaagaa 240
 ggtagcaggg ctcacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300

agcaggagag ttcaatgctg ccagttgggt gaatggaaga aattgctggg ggtaggcagc 360
 aggtagctgg ctgaatggta gttgttggtg ttgcaaataa gaagcaaagt tcaatgcagc 420
 tagttggttg aatggaagaa actgctggtg ctgagagtag gcagcaaggt ttgctagcac 480
 aagttgttgt agttggttgg gcccctgatg tttgtgccaa taaatgcacc aaaggaactg 540
 atgtaatagg gctga 555

<210> 8373

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E6

<400> 8373

cagataaaaa ctttattatt gaactataac tcataagaaa tctaaaagag ggcaccacca 60
 atgatggggtt gttggtagaa cactgctggg tttgtcaaag caagttgggtt gaatggcagc 120
 aattgttgca gttgtaagag ggtgccagcg ttagggcgaa cgtgctggta gaacggcaac 180
 aactgtgggtt gtgtcaagaa ggtagcaggg ctacaccag ctagctggct gaatggtagt 240
 agttgttgct gctgtaaata agcaggagag ttcaatgctg ctagttgggtt gaatggaaga 300
 aattgctggg ggtaggcagc aggtagctgg ctgaatggta gttgttggtg ttgcaaataa 360
 gaagcagagt tcaatgaacc tagttggtg aatggaaaaa actgctggtg ctgagagtag 420
 gcagcaaggt ttgctagcac aagttgttgt agttgttggtg cccctgatgtt ttgtgccaat 480
 aaatgcacca aaggttaactg ttgtaatagg gctgatgatt gttgga 526

<210> 8374

<211> 150

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E8

<400> 8374

cataatgtat ggtactttat tgcttaacac cgtttttagga gtataacggc taggtagaca 60
 caattcttca attgcaaaca ccactaatgt cattgctgct gcatggatta ttttggtagt 120
 ttgagtggta caagccgcac attgatggta 150

<210> 8375
<211> 544
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-E9

<400> 8375

gattcattaa aacccaaaatt tattatgacc atgcatatat tattgggtcat accacacatg 60
ataatgtgtg tcgtcttact gcattattac atatatagat agagagagat ggatagagga 120
gatttcccaa atatcatgaa tcagtagtag ggcggaatgg cagcggagac cccacaaggg 180
ttgggtgcggt agctgggcag ctgggtactgg tagagtccac ccatggccgg catgttctgc 240
gccatcatca tggccatggg gttgagaccc tgggctgcca gcagctgctg ctgctgctgc 300
atcagagctg gctcgtacag gctgctgctg ggggcagcgg cagctcaag ctgcatcatc 360
atctgcagct gctgcgcgac ggactgcacg tccatcatcc tcctctgctg ctggcagcac 420
tggttgcgga gcggctggaa catggcgctc ggctgcccac acccggcgta gtagggcgcc 480
gccgccagcg ggctgcactg cgggtgcctc aagtactccg cgtaggggta cagcccgcg 540
gcgc 544

<210> 8376
<211> 591
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F10

<400> 8376

cgtgcgcg tacttactgg tccttaacgg ccgccttttt ttttttttc atttgagcc 60
tctttggaat attcaaaaana gtttccatta ggattaattc actctgaaca gggaagatgt 120
ggttaacagg ccagagatcc tgaaaacatc tgttctgcct aacgcctagg taacaaagca 180
acaagcctgc agcatcttac atcactcgag tctcttctac tcttcaggat caatcaatct 240
ccattcagga gatactctcg agccatatgc taccaccca ttcacacata aatactagt 300
gcgcacacaa accttgaatc agcagcagcc cagccctatt ctttggtccg ggtccctcgg 360

tcttttcttgt gtcctcccag gatacgggag atctgcagac ctctgctgaa cgcctgggtg 420
aacagcatcc tgggtctggaa ttccgacacg aacgggaacc aggcgaggaa ggcgatgggc 480
gtgaacagga gaagtcccat caggatctcg tagccccggg caagagcctt gatcgagccc 540
cagagcccag tcttgtggat cacaggccgg atcgcttggg caatcaacag c 591

<210> 8377

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F11

<400> 8377

ttggatcttt aaaggccgcc cttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt ttttggggtg acagggtttg ttggtccaaa acagggtgatg ggaatacaaa 120
gggtcataaa aagggttgtt ggaactttta gggcagcttt ttacagtcca ttcttggggg 180
acaaatgggtc aaggaacaac attccagact tcccattttg ggcccgaacg ctcgactttc 240
ttttaagcgg gttttaaccat tccaaggttt cacgatccat tgttgcaata ccattgtagg 300
ttcttgtttt gttgacgcaa acccagccga ttttttttac agaccatcg ttgatgggtg 360
cttttttttag ggtcaccacc atttcagacc ttttgttgta cccttttttc gggatgatcag 420
ccttttgggt tccctttact gttttgtggt caccaccttt tttccaa 467

<210> 8378

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F12

<400> 8378

cgctcaaagc acacagtttg gtaattaaac tgatcaattt acagcatgat gtttccccaa 60
atccaggccc ccaatgtcga ttcaacatgt aactaacatt tgctgctaca acattctacc 120
ctacaacatt gaaggacaca ggagagcaaa aagaaagaaa aaatgccttg gatgacactt 180
ttattgctcc gatgatctcc aacagactga tctgcagatc acgcatgtaa ccagggtgctg 240
atcattgtcg aatgtcgaga cacacagctg catgtcgcac gttcacttca tataactgtt 300

ccacttggga gtaaagcatc cttgatcact gtgacaattc cacctttgat gaagtacccg 360
tctgtctccc ttgcggggtt ttgaacattg tcagcattgg gttttcttaa cattggcttc 420
aattccgagc attctttgtc tatgattgct ctctgggtgg cctgaatttt ttccccattc 480
ccaattggga atgccacctt tttt 504

<210> 8379

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F4

<400> 8379

gttgggggtgt ttttttaaaa ccaaaactta ttatgaccat gcatatatta ttggtcatac 60
cacacatgat aatgtgtgtc gtcttactgc attattacat atatagatag agagagtatg 120
gatagaggag atttcccaaa tttcatgaat gagtgggttg gcggaatggc agggggagac 180
gccacagggg ttgggtgcgt agttgggcaa ctggttcttg tagagtacac ccatgtgtcg 240
gtatgttttt tgttatcatc attgccatag ggttgagacc ttggtt 286

<210> 8380

<211> 184

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F6

<400> 8380

gcacgcgtac gtaactggac cttagaggcg ccttnttttt tttttttttt ttattttttt 60
tttttttttt tttttttttt tttttttttt ttgggggattg cttttttgtt ggggaggcgt 120
gtgagggggg gggtaaaagg ggggggagag aaaagggggg gggggggaaa aaacaaaagg 180
gggg 184

<210> 8381

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-F7

<400> 8381

ggaaaggggc tttttttttt tggggggggc ccaaaccctt tgcaaaaaac cttttttttg 60
ggggtttacc ctttaagccat ttaaaagggg ggcccccca tgggtgggtt ttgggaaaac 120
ccttttggtt ttttcaaac aaggtgggtt aatgggcaca attgttgccg ttttaaaagg 180
gggcccgcgt ttgggcccc gtgccggtt aacgggaaca actgttggtt gggttaaaaag 240
ggaacagggg tcacataaac tttctggctt aatgggggga gctgtttttt ttgtaaaaaa 300
gccgcgaagt ttaatgctcc ccattgggtg aatgggaaaa atatgtgggg gggg 354

<210> 8382

<211> 168

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-F8

<400> 8382

aaaaccccct ttttggggg gggggtagaa aaaaactatt cttatttgct ggggaagcca 60
caaacattag gcaaaaaatt tattattgaa ctctaactca ttagaaatcg aaaagaggca 120
ccaccaatga ttgttttttg gtngaacact gctatgtttt ttttgggg 168

<210> 8383

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G11

<400> 8383

ggccgccctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tagaaatgtt cttttttttt tttgggaagc cacaaacatt agacaaaaaa 120
cttttttttt taacttttac tcataaaaaa ttttaaagag ggggccacca attattggtt 180
gttggtaaaa cccttcttgg tttttcaaaa caagttggtt taattgcaac aatttttgca 240
attttaaaag ggtgccaacg ttaggccac cgttcttggt gaaccgcaac aactttggtt 300
tttttaaaaa ggtagcaggg cttacaccac ctagcttgct taatggtagt agttgttgct 360

tcttttaata agccggaaag ttcaattctt ccagtttggt gaatggaaaa aattgcttgg 420
 ggttgccac aagttccttg cttaatggga ttttttggtg ttgcaaatta aaaccaagtt 480
 taatgcacct tttttggttt attggaaaaa actttttttt ctttagaatt ggccacaatg 540
 ttttttccc caaatttttt tttttttttt tttccctttt ttttt 585

<210> 8384

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G4

<400> 8384

aacagaattc caactggaac ggtgttttoga attaaagcaa attaactctg gtactgggtac 60
 attcgactcg aataggatcc aaaataactca cggcaatatt actggccaca caaagcagac 120
 atatagctat ggataaatgg ggggtggtgca ttgccagacc accaccattg ccagcacccc 180
 aagaaaagga ctgatcgga gtcacgccta gatcttggtg aaggcaacta tgtttagatt 240
 ctgcacgtac tcgttctactg gctcagcgca cagatagtcc ttaatgagag ttttgacaga 300
 gacaagggtg gttacgatgg tgataatgat ttgcagcttt tttgttccat attcaactgg 360
 tacaagcttt gatgcgcccc aagatatact tttcatttgg acacttctta acaaatttct 420
 tgaacttttg ccatgtcagt ctaatgggcc aaggttttta cttaagtaaa actgatgact 480
 tcccatattt ttttttt 497

<210> 8385

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-G6

<400> 8385

gtaaaaaacta gaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
 attattgaac tataactcat aagaaattaa agggggcacc accaatgatg ggttggttgg 120
 agaacgctgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgtaggc gcagcgtgct ggtagaacgg caacaactgt ggttgatatca 240

agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcang agagttcaat gctgccagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttggt gttgttgcaa ataagaagca gagttcaatg 420
caactaggtg gttgaatgga aaaaactggt tttgcttgag agtaggcatac aaggtttg 478

<210> 8386
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G7

<400> 8386

aaatctcaac caattttttg attttttttt ggaaacacat gccggttttg gggccccatt 60
ttcgggtcca ttttatTTTT tatctaaaag gatggccct ccaacggtg gttgctgcct 120
cgccaagaca gggtttatta aagagaaccg gttgtttggc aacaattggt gcttcttttg 180
gaaggcagcc accaatgggt tagccactgc caatggatta aataactggt gtcgcttttg 240
taggtcccca acaaaattcg acataattag ttggttgaat ggaaacaact tttgcaagta 300
ggcaacaggg tttgc 315

<210> 8387
<211> 521
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G8

<400> 8387

aaaaatgtac tttcttattt ctgggaagcc acaaactca gataaaaact ttattattga 60
actataactc ataagaaact aaagggggca ccaccaatga tgggttggtg gtagaacact 120
gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg taagaggggtg 180
ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg caagaaggta 240
gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta ggcagcaggt 360
agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa tgaacctagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc tagcacaagt 480
 tgttgtaatt gttgtgccct gatgtttttg tgccaataaa t 521

<210> 8388
 <211> 260
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-G9

<400> 8388

gggtgtgtgtg tttttttttt tttttttttt tttttttttt tttttttttt attttttttt 60
 tttttttttt ttttttttgt aggttggtct ttttccaggg gggccttggg tgttttctgg 120
 gggaggggtg tttggggggg gggtgtgggg gggggggggg gggtttggga ggggaacaaa 180
 caaaatttga aaaaaaaaaa aaaaaaaga gggttaccag gctaaggcga ggggttttcc 240
 cgttcaaatt tggagggggg 260

<210> 8389
 <211> 329
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-093-Q1-N6-H10

<400> 8389

gggggggggtg tttaaactc aatcaatata ttgattattt ctaggaaaca cacgtcggtn 60
 tgagggcacc attatcgagt acatctcata tgnatctaa aagatggcac ctccaacgat 120
 gggttgctgc ctgcacaaga catgattcat ggagagaact ggttgtttgg cagcaattgt 180
 tgctgctgtn ggaaggcggc gaccaatggg tttgccactt ccaatggatt aagtnactgt 240
 tgtcgtggtt gtgggttctc agcagagttc gaccgtgtca gttggttgaa tggaagccgc 300
 tgtttggctg tgggccccag ggctttgcc 329

<210> 8390
 <211> 144
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-093-Q1-N6-H3

<400> 8390

attaaaacca aaacttttatt atgaccatgc atatattatt ggtcatacca cacatgataa 60
tgtgtgtcgt cttactgcat tgttacatat attgatagag agagatggat agaggagatt 120
tcataaatat tatgaatgag ggag 144

<210> 8391

<211> 204

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-093-Q1-N6-H8

<400> 8391

ggggggtgtt ttagaaatgt acttttcttat ttctgggaag ccacaaacat cagacaaaaa 60
ctttantttt gaactttaac tcataagaaa tctaaaagag gcaccaccaa tgatgggttg 120
ttggtngaac actgcttggt ttgttgagggc ggggtgggtg tatggccgca attgttgctt 180
ttgttagagg gtgccaatcg ttag 204

<210> 8392

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-A10

<400> 8392

acagaaaaca tatatcaatt atttgttaaa cctattaaaa ggttaaaacc aattttaatt 60
tggaacagat ggagtacttt ttttcttttc atttcaattg ttcattcagg tcattgctca 120
cactgacact gccacccatg gtgatgcgtg acacattatt actcaatcat cgccgcttaa 180
tgactcaact agcttgcttg ccagcggctt ttctacagca cattgtttct tcagtggggg 240
acaccgcccg cagcagcgtt ggggcctgga gtcggctgct gcaggccgca cattgccgtc 300
agttgctgcg ctttttgcg cgccaacagc cccgcgacct tgccgctttg cggctgctgc 360
tgcaggatgg actggaggac caagccgaat atcgccctggt tccggtgctg cggcttcacc 420
tgccctggct gctggcaaca cttctgcccc aaccactggc ccttatgcga gcagttgggc 480

gttg

484

<210> 8393

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B8

<400> 8393

gcagcaaaac cattactttg atctgacaca atactcacat agttttgcat acacacatat 60
gctcctgcaa ctactatttta ttaacacaca aacatcaacg ggccgaaaaa cctcacatca 120
aagcacagcc atctcacgat tattgtcatc cttcacagca ttcagattag gccttcctgc 180
acacgcctcc ctgcgacaca taccacagcag gggcttcctc actcatcttt tcctcaccca 240
acgcgcactt ggggtgcagg tcaaagtcac actcgtcgca cctgtaggac cagctgctgc 300
ccatctcgtc acaaccatca cagcggtagc taccacggcg cagcaggaca agttcgtgct 360
cgtcatgcag ctcatgcttc agcttctgag gccaccctt cgccatctca tccagcttct 420
tctgtagctc ctcaagtctc tcctcgggtga atgggaaagc atcagcaccg tggatcatca 480
gctgggactt tgcgtccctg ctgactgtct gcccagtagg tccgatggcg acaagtgaag 540
ggattccacg gatcttgaag ggttttcttca gcgatgcttt cctt 584

<210> 8394

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C3

<400> 8394

agaaatgtac tttcttattt ctgggaagcc acaaacaatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc cagttgggtg aat 333

<210> 8395
 <211> 605
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-D9

<400> 8395

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
 tgtggggggg acggcgggga aaaatttttt ttttttttgg aaaaaaaccc ccctgttggg 240
 gggccccctt tgtgggcccc tttttttttt taaaaaaaaa gggcccccca aaatgggggt 300
 ttttcccccc aggggggggg ttttaaaaaa aaaaagtgtt tttggggaaa aaaatttttt 360
 ttttaagaag aaagcccaca aatgggtttc ccccccggg gggaaaaaaaa aaatttgggg 420
 cgttttgggg ggcccccca aattttaaca aaaaaatttt ggtaaaaaaaa aaaatttgtc 480
 aaaaaaaaaa aaaaggattt tccccattt gggggaaaaa aaggggcaa atttttttaa 540
 acaaatggtt gggaaaaaaaa acttttgnga cggtttttgg gccccctccc caaaaggggg 600
 cgctt 605

<210> 8396
 <211> 256
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-E4

<400> 8396

 ggaacaatac tttttttttt tcatttcaat tgttcattca ggtcattgct cacactgaca 60
 ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
 cgctatctgc gccgcc 256

<210> 8397
<211> 555
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-E7

<400> 8397

gcctcaatga gttaggactg tattcgagca aacaagcaac caaacaggat ctaggtgaga 60
gccaggggtgt gttgccctgg catagctggc tagacagacc aggtctaaaa acgcaaacca 120
aacacgcccc acccattctg gtcccgctctt gaaacttcaa ttcctcatat actccagcga 180
gcaaacaaac aacatatcga tgggtgacaat gacattgttt aacggcacag tgctaaccgt 240
tacacagcta tgtaattatt atgggcctct gagttccatg atcagataga ggtgcagggt 300
gcctttcgcc ggctcatttg cgcagcaagt ctctcagttt atcgggtggct gacctcagtt 360
cggcagcgat gccaaacttca ttggccgagt gccttgcctc tgctaccacc ttgaattctg 420
cttcaggcca agccttatga agatcccaag cagacatcat agggcaacaa acatcataac 480
gtccctgtac aataaaacct ttaatatgnt cggatcttat caacattgtc caataggaat 540
gagtccgagg gtaaa 555

<210> 8398
<211> 462
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-E9

<400> 8398

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ggaggctgct gggtttgtca aagcaagttg gacaaagggc aacaattggt gtagttgtaa 180
gagggttgcg gggttagccg caaactgctt gtaaaaaggc agcaactggt gctgtgtcaa 240
gaaggaagca cgacttgctg cagctagctc gctaaatggc agtagtattt gctgctgcaa 300
ataagcagcg gggttcagtg cggccaattg gttaaattgga aaaagttggt gttgctgaaa 360

gtaggcagta gctagctggc taaatggtaa tagnttggtg ctgcaaataa gcacgcaggg 420
 ttcagtgtag acaatttctt ccattcaacc aactgtccgg nn 462

<210> 8399
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-F11

<400> 8399

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 gcggagaaga ggccgtcggc ggccggccagg gcgagcgagg tcttgggctc cagggtgcacc 180
 gcgacgctga acctacccc ggacggggcg gggggggact ccaccacga gctccacacc 240
 ttggccacgg cccgaagtt cctcctatat tcgcccggcg cgccgccgat gtcctcgccg 300
 gggggcgctc gcttcagctt cttgtcgaa tgctccgtca ccagcaacgc gatgtctgcc 360
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 atctgtg 427

<210> 8400
 <211> 572
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-F5

<400> 8400

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 atctgcacaa acttgaaaaa ttactgggtc aaaaagtaac tggagaggac tgttcataga 180
 gatgaattag aagcctcctt gtttaaagg ttttgcagca cagggtcaagt cacaattttt 240
 tccaatttgc caatatctcc aattgaggaa aatccacctc caatgtctac agtaccacat 300
 aaatccaggt ctcaaacctt gctttactat taaatatcga tggagagaca gaatgtcagc 360
 cattcagatc tgaaatcacc aaaaacaagt gacaaaacca acataacatg ctctagactc 420

tgacctgccc ccagttccaa aatcatttat ttgctacatg gatttccaat tgtcaacatc 480
 ctgcaacacc tccaaatatg taagttgaac taccaattat ttgagctaaa tggctctgcaa 540
 cacctccaat tgtcaacagc gagagcgcaa aa 572

<210> 8401
 <211> 141
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-B5
 <400> 8401

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 aaaaaacttt tttttttatt ttgggaaaac ttttaaaatc ttctttttta gggaaaaatt 120
 tccttaaaaa aaaggggggg g 141

<210> 8402
 <211> 559
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-B6
 <400> 8402

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 acaaggcagg gttcatcaaa gagaactggc tgtatggtag caattgttgc tgctgtagga 180
 aggcagtgaac caatgggtta ggcaactgcta gtggattaag taactgttgt cgctgttgta 240
 ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
 cagcaggggt tgccacagct agctgagtca gagctggtag aatctgttgc agcaattgtt 360
 gttgcaggta ttaggttgca ttaccacaaa cgagagggtc agatgaaagc agttgttgct 420
 gttgtaggta ggccggcaggg ttcaccatgg ctagttgact gagcgctggc agaaactgtt 480
 gcaattgttg ttgttgttgg tatgcaacta cgtttgccag aacaagtggg ttggatgcaa 540
 gcacctgctg ttgcaagta 559

<210> 8403
 <211> 579
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-C11

 <400> 8403

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cactttaagt agtcgcattc acataatgac tgaatagaac aaaacagggg actatcttga  120
accgcttcac ttcttatctt gcttctctgc ctgagctgcc ttcttctggc gggcaccaag  180
atgtttcttg ttcacccgct caaggggggag cttgccatag gcagcaaag actacatgtc  240
atgtgggacc ttgacaacct caactgaacg tttctcacca cgagttaatg gcatgtagtc  300
accctggacc tgggtagcgg tggcaaacct ctctggagta ggtcaccag ccttcacctt  360
gcgcgcacgc cttgagaaga taaccagctt ggccttgtat gtcttaagcc tctggacatt  420
ggcctgcagt ccctcaaggg ataagttctt gggcggtga tcaacagaaa aaccaatggt  480
tggagcaagc ttctttggga tgccaacaac cttcagctnc tcaagggtaa agcctgttcc  540
agcccttgac ttcatgttgt actttaaggt ctggcattg                               579
  
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<210> 8404
 <211> 516
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C2

 <400> 8404

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt  180
gaaaaaaaaa gttttttggg gggggggggg gaaaagagga gaaaaaaaaa agtgtggtgg  240
ggggaaaagg ggaaaaaaag aaaagggggg gggccaaaaa aggggggggg ggggagaaaa  300
aaaaatggag gtagaaaaaa gggggtggga gtggggataa aatgttttaa ttaaatggg  360
gtagaagaaa ggaaaagcaa tgggggagaa aaaaaaaaaa aatgtggtta gaaagaaaaa  420
  
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aggggttgac ttaaaaacaa aaaaataagg gataagagaa aggtttttgt ggcgcgaaga 480
 aaataaaaaa aaagaataaa aatgtgaaga gagtag 516

<210> 8405
 <211> 111
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C6

<400> 8405

ggggacaaaa cttttttttt ttcatttaaa ggggggattc agggcattgg tcaaactggc 60
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<210> 8406
 <211> 515
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D4

<400> 8406

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 gagggcatcg ttccgcccgc gagaatccag gggcattcgg cgacgccgct gatggtggcc 180
 aggttgcaact cggcctccgt gacgaggggtg ggcgcgaatc ccctctgcac ctcccgcggg 240
 cagcccggca ggtcctctag gcggccctcc agctgcgcgt ccggggcccg cgggatcgcg 300
 ccgtccatga ggatgctcag cgccgtgcac cggcagtaag ccgggatgtc cgccagctcc 360
 cggcagcatc tcctcttcag ctccggccac gggaggcgcg gcccgatgcc gcaggtccgg 420
 ctggtcacgt accagcggca gctcgggagc ggggttggtg cgggatggcc caccgccgca 480
 cgccaggagg tcccggcgct tggcgctggc agccg 515

<210> 8407
 <211> 582
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D6

<400> 8407

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aactttatta ttgaattaca actaataatc aatctaaaag agggcaccac caatgatgtg 180
ttgttggttag gaggctgctg ggtttgtcaa agcaagttgg acaaagggca acaattgttg 240
tagttgtaag agggttgcgg ggttagcggc aaactgcttg tagaaaggca gcaactgttg 300
ctgtgtcaag aaggaagcac gacttgctgc agctagctcg cttaatggca gtagtatttg 360
ctgctgcaaa taagcagcgg ggttcagtgc ggccaattgg ttaaatggaa gaagttgttg 420
ttgctgagag taggcagtag ctagctggct aaatggtaat agttgttgct gcaaataagc 480
agcagggttc agtgtagaca gttggttgaa tggaagaaat tgttgttgct gagagtaggg 540
agaaagggtt gccagagcta cttggttgat cacaggtagc ac 582

<210> 8408

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E8

<400> 8408

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actttattat tacagtataa agcataaaaa aattagaaga tggcaccacc aatgggtggg 120
tgctgcaata aggtggtagg attcgtcaaa gcaagttggg taaatggcag caattgttgt 180
tgttgtaaga aggcgacatt gtttgccaca tcctgtgggt agaatggtag caactgttgc 240
tgttgcaaga aggcgttaat gtttccaca acctgtgggt aaaatggcag caattgttgt 300
tgttgttgca agaaagcagc aatgtttgcc acaacttgta gatggaatgg aagcaactgt 360
tgctgcagta agaaggcagc agggctcctg acaagttggg tgaatggtag tagctgttgt 420
gcctgcaagt aagcagcagg gttcaccaca gctagttgat tgaatggaag aaattgttgt 480
tgctggaagt aagcagcaag gttcgtgca actacttg 518

<210> 8409

<211> 443

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-F3
 <400> 8409

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gggccccccc aaaaaggggt tttaaaaaaa aaaaaggggt ttgggggaaa aaattttttt 180
ttttgggggg gggggcccaa aagggggggc cccccccaa agggaaaaaa aaaatggggc 240
ccttgggggg gcccccccaa aaattcaaaa aaaaaatttg tgtaaaaaaa aaaaactttt 300
aaaaaaggaa aaaggggtt cccccattt tggggaaaaa aggggggaaa aattgggaaa 360
aaaaatggtg ggcgggggtt ttgggggttt tccccaaaaa ggggggggat aaaaaaaaaa 420
attttttttt ttttttcggg ggg                                     443
  
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<210> 8410
 <211> 543
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G11
 <400> 8410

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ctaacattgt gctggtttat ttaggctaaa aataatatta acaaagaagt ctgccttctt 180
ctctacaagc tgaaacttgg ccagaaacga acaagcctga actccttcca caccacaatc 240
cgcagacagc acaagcattg ccccgaccgg gtatccacat gtgagcttcg gcaatggggc 300
ttaagctaaa catagtagat catgccgact tctatcagac taatgtgtgg aatgtgcagc 360
gtgactgatg ggctcttgca gttcttcggg aggaaagagt aaccaacatc aatagcaaac 420
ttcttcagga aatttgagtt cctcctggct ttgatataag aatgccccat gatgtatgcg 480
atcccagcat gtttcgcttc aactagtgcc gtgagttctt ctttcacttg ctgacccatg 540
cca                                                         543
  
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<210> 8411
<211> 154
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-H3

<400> 8411

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ttgcgtcggg ttgtgggggt gggggggggg gggg 154

<210> 8412
<211> 516
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-H9

<400> 8412

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ccagttcccc ttttttttta gggggggggg ggggtttttt ttgtcccaa aaaagggttt 180
ttgcgggggt cccccgggc cccccctttt ttttggggg ggtgggggccc ccccgccttt 240
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ttggttggtc ccccttttcg ccttcggggg ggggtttgtg ggagtcccc ccttggtggg 480
cgggtttgtg gggggccctc tttttttttt tttttt 516

<210> 8413
<211> 559
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A11

<400> 8413

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 actgttgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
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 tgggtgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480
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 aatagggtcg acggttggt 559

<210> 8414
 <211> 523
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-097-Q1-N6-A12
 <400> 8414

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 aacgtgtgaa agccggagat ctttttggtt ggccgtgcac cggctgcagt tcctaatacgt 120
 ggagtgtcgc tctcacgtga caaactgcac gttttttaac ggtggacggc ggcagtgcac 180
 tcttcgaacg ccacgggcac aataattgta gtctgtcttg agatgtgcat tttgttgccc 240
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 ggggtggaaga agaagcagat cgccgagcag tcattgacgg cgatgttgcg ccgcttgccg 360
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 cccgccacga tatgtaccgt ctctgctgtg gagagcacgt cccatacccc gtccgtagcg 480
 aggatgataa attggctcact gctgctgac ctcttctgcg tta 523

<210> 8415
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A2

<400> 8415

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aaagaggggg cccccccatt ttgggggtttt ggggaaaatt ttttgggttt ttaaaaaaaa 120
gtttgtttta tgggaaaaat tttttccttt ttaaaagggg gggccttttt aattttaaag 180
ggcccggggg ttccccccgg attttcgggc cgggcccttg gggggtcccc atttttcttt 240
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tttttcgctt aaaatttccc aaaaatataa gggcgggaga ataaaatgta aaacccgggg 360
ggcccttttg gggggcttac ccccatatat tggggggggg caaaaggccc tttt 414

<210> 8416

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A4

<400> 8416

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gtcgagtaca ttttatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tggttgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgccgc aactgttgtt 360
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acggcagggt tcaccatggc tagttgactg agcactggca taaactgttg cagctgttgt 480
tggttgctgg atgcagctac gttcgccaga acaagtgggt tggatgcaag cagctgctgt 540
tgcaagtagg tgac 554

<210> 8417

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-A5

<400> 8417

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ttgaactatt actcataagc aatctaaaag aggcaccacc aatgatgggt tgttggtaga 120
acactgttgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gtttaggcata gcgtgcaggt agaacggcaa caactgttgt tgtgtcaaga 240
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caactagctg gctgaatggt aattgttgtt gcaaataagc agcagagttc aatgcagcca 420
gttggttgaa tggaagaaac tgatgttgc gagagtatgc agcaagggtt gctagcacia 480
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<210> 8418

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-A9

<400> 8418

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ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattgtt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
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taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgtag 480
ctgttggtt tgctggtag caactacgtt cgccagagca agtgggttgg natgcaagca 540
gcttctgttg caag 554

<210> 8419
<211> 551
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B1

<400> 8419

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acacatgtgc acaatggccc gaccaagagc acgctagcaa aagaacagaa aaatactact 180
ttttttgttg tgcctccaag cagcagtata atagggcgca gttgaatgta ccagtgttct 240
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gtcaacaagc agtcaatct tctctccacg atctaggacc ttttcaatgt tttccatcat 480
aacacccttg acttcagaaa cctgtgcctc cactttggcc agcttgctaa cctcttcagg 540
gtgatccaca c 551

<210> 8420
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B10

<400> 8420

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gggaaaaccc ccccggttt gtcaaaacaa ggggggtgaa tggcccccat tgttgccgtt 180
gtaaaagggg gccccctta ggcccccccg gccggtaaaa ccgcaccac cgggggtgtt 240
tcaaaaaggg ggcgggggcc cccccccca cctggctgaa agggagaaat tgttgccgct 300
gtaaataagc cggaaagtcc aatccccccc cttgggtgaa tggaaaaaat tgctgggggg 360
gggcaacagg gaccggccg aaagggaatt gttgttggtg ccaataaaaa accaagttca 420

atgccccctg ttgggtgaat ggaaa

445

<210> 8421

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B12

<400> 8421

gaaacaatca aataacggct gatgaggctt acattgttta tactatgatc aaagaacatg 60
tacgaccatt gtacagatag gtccatcttc ctgttgtaga acaactgatt ccaactcaca 120
gaggtagaat tagaacagct cgactgtgca ctatgttttt tctcccatth gctataattga 180
tcttcagaat aaagaatatg cgactcaaca agaacagcta ggctgttacc aaagacggaa 240
tctaatttaa gagatcatgt cgccacaaaa catctccatc acaggthttc aaggatttgc 300
cattcattac agatggaagt cattgggtta gaatttgag gtgatttggc gacctattgg 360
gtcagcatct catttcgggc tatccatcct catctggta gacccctat atttcttcaa 420
tgttctatta ttcttctgct cttgctgctc caggctthtt gcctctaaca accttgctga 480
caggaaaatg caaccttgca taaaggggccc ttgggtgccc cactgtccta tcaaagcccc 540
tcacgcaaac aaatcctctc caa 563

<210> 8422

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-B2

<400> 8422

anacgcacat gaaaaacaaa taatttgtct gcacaataag cttgtacaat gattagaaaa 60
ataaataatt acattgggga atatcatggt acaacacatt cctttgggtgc ttggtacgcg 120
gggaaaaggg tgaaaatttt ggttaccctg aagtccgata tgcaccaaga taaaaatata 180
tttcggcaaa actgaggata tatcattaat cgctgtcatc tactgtacac tatatatata 240
aagagataat ggacggccaa aaaccaacta ccagtgtaca caactcacta gcagggaagc 300
ataagtctga aagagcaacc caaacctat agacacaggt ggccttaca cccagcagga 360

aagttgctga tttgcccttg ttccagcctg tcctcaccat tcactttgta agacatccgg 420
 atacgcattg caagtgggtt ctggccatgc tgggtgttgg tgacactgag gctttgtgta 480
 actgacccat ttccactggc aggaagagtg ctgctgctcg ctgggtccaa acgcaactgg 540
 atgaactttg gcac 554

<210> 8423

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B3

<400> 8423

agaaatgtac tttcttattt ctgggaagcc acaaacatca tccaaaaaac ttcattattg 60
 aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggttggtg tgtcaagaag 240
 gcaacagggc tcacatcagc tagctggctg aatgggtggtg gctgttgctg ttgtaaataa 300
 gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 gctagctgac tgaatggtag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
 tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
 tgttgtagtt gttgtgcctt gatgttttgt gccaacaaat gcaccaaagg taactgctgt 540
 aatagggctg acggttggtg gaggaacaag ggtgat 576

<210> 8424

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-B4

<400> 8424

gtaaacaata tttgatactt cgaaagaagt atatataaca ggaatggata tcaaggtagt 60
 caatgcatcc aatattttcc aatcaattcc tataaactta atgcacattt cactagactt 120
 aaagtatata aaagtctttt taaaaatata aggaaggggt aaatgcaccg gggcttgctt 180

ttgttgcaga gaagagattc tagatcctta tacctaacct ttagttagat agtccatcc 240
 acttgatgag caggcactgg agtagacttc ttcaagtacc acctcatcta ggtgttcttc 300
 gaagctgtcg gtacgcgcgc gagattaacc ggggatgacg cagttcaaag ggtcgacggt 360
 gaagcgggtct gcgacaacgt tctgcgccag cgagaccctg ttctgagcag tagacaccgg 420
 tagagttaat gatccttctt cggtgagctt cacttgttga tggagagcac ataacacgtg 480
 ttatcttggg gtgtcacgcg actaagttga tctcagattt cacaaggacc ataattacca 540
 ccattttatt catttcaccg gttgatg 567

<210> 8425
 <211> 119
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-097-Q1-N6-B6
 <400> 8425

tttttttttt tatttttagtt tttttttttt tttttttttt tttttnttt tatagatctt 60
 taaatttttt ttactgagaa gttgcccata ttaggggtgag aaatttattn ttacaggnt 119

<210> 8426
 <211> 435
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-097-Q1-N6-B9
 <400> 8426

ggggggggga aaaaatatgt gtaaaaagaa tttttttttt tggggcttaa attaaaggta 60
 aaaaaaggaa aaaaaacacc tgggttgggg gggggggcga aaaggggggg aaaaaaaag 120
 gggggggggg gggaaagaaa aaaaaaatgg aaaagggggg gccaaagggg gggggggggg 180
 aaaaaacccg cccggggggc ggaaaaaaag gggggggaga aaggggccaa aagggggggg 240
 ccaaaaaaaa ggaagaaaaa aagggggcgc aaagtgtggg aaaaaaaagg ggggggaagg 300
 ggggggggtg ggtcggggcg cggggggggg gcgaaaggg gggggaaaaa agggggggcc 360
 gcaaccgggg gaaaaaaagg ggaaaaaaaa aagggggcgt ttggggcagc agatctcctt 420

tttagagggg ggggg

435

<210> 8427

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C1

<400> 8427

ggggtaaaat ttaattaatt ttttggtttt ttttagggaa ccccttcccg ttttgaggcc 60
ccctttttcg attcctttta ttttttattt taaaaaatgg cccccccacc attgggttgt 120
tgccacacca gggcagggtt attaaaaaaa acctggttgt ttggaaccat ttgttggtgt 180
tgtagaaagg caccacccat tggtttacc cccgttgggg atttaattaa ctgttgccct 240
tggtgtaggt cccacaaaaa tttcacccca tccagtttgt taattggaat tattttttgc 300
aagtaggcac aagggttggc cccacttggt taattaaaac ctgttccatt tggttgaacc 360
acctgtggtt gcaccacctg ttgttccagg tttttaggtc ctttgcctt agcaagcggc 420
ttaaataaaa aaatttgttg ttgttttagg taggcaatag 460

<210> 8428

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C10

<400> 8428

ctaaaaatgt actttcttat ttctgggaag ccacaaacat cagataaaaa actttattat 60
tgaactataa ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acactgctgg gtttgtcaaa gcaagtttgt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttaggcgca acgtgctggt agaacggcaa caactgtggt tgtgtcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaaatt 300
aagcaggaga gttcaatgct gctagttggt tgaatggaag aaattgctgg gggtaggcag 360
caggtagctg gctgaatggt agttgttgtt gttgcaaata agaagcagag ttcaatgaac 420
ctagttggtt gaatggaaga aactgctggt gctgagagta ggcagcaagg tttgctagca 480

caagttgttg tagttgttgt gccctgatgt tttgtgcaa taaatgcacc aaaggtaact 540
gttgtaatat ggctgatgat tggtggagga acaaaggtga t 581

<210> 8429
<211> 256
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C12

<400> 8429

gtctcaaaca aaatcaagaa aaggaacgac tgagagctta tatgattggt aacatttacc 60
agcaacagcc tttgtctcga aaaaaaaca aggaacaacg gatagcttat atggtttagta 120
acaataccga gttacttgta gaggaatgca actctagggt atagttacaa tccccaaagg 180
cctgagtagg ttgacagctg agtatgtgtt aaatgggacc agaacttccg caaactcaag 240
caaaacaaga tatcag 256

<210> 8430
<211> 543
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C2

<400> 8430

aaatctcaat caatatattg attatttcta ggaaacacat gtcggtatga gggcaccatt 60
gtcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tggttgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgctgc aactgttgtt 360
gtaggtacgt aggtgcattg cccaccgcga gcgggctaga tgaaagtagt ttaggtaga 420
cggcagggtt caccatggct agttgactga gcactggcat aaactgttgc agctgttgtt 480
gttgctggta tgcagctacg ttcgccagag caagtgggtt ggatgcaagc agctgctgtt 540
gca 543

<210> 8431
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C3

<400> 8431

ggaaatataa cttcttattt ctaggaggcc acatacatca gccaaaaaac ttcattattg 60
aattacaact aataagcaat ctaaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgcaagt tgtaagaggg 180
ttgcgggggtt agccacaaaac tgctggtaga acggaagcac ttgttggtgt gtcaagaagg 240
aagcgggggtt tgttgtagct agctggccaa atggtagtag tatttgctgc tggaaataag 300
cagaggggtt cagtgcggcc aattggttaa atggaagaaa ttgttgctgc tgagagtagg 360
cagtagctag ctggctgaat ggtagtagtt gttgttgctg caaataagca gcagggttca 420
gtataaacag ttggttgaat ggaaaaaatt gttgttgctg aaagtagggg gaaaagggtt 480
gccagagcta cttgccacgc gtccg 505

<210> 8432
<211> 502
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C4

<400> 8432

agaatctgga aatgtaactt tttatttctg gttggccaca tacattatcc aaaaaattta 60
ttattgaatt acaactaata agcaatctaa aaaagggcac caccaatgat gtgttggttg 120
taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
aaaaggggtt cggggttagc cccaaactgc tggtaaaaag gcaacaactg ttgctgtgtc 240
aaaaaagaaa cacggcttgc tgcaactagc tggctaaatg gtagtaatat ttgctgctgc 300
aaataaacag cgagggttcaa tgcggccaat tggtaaatg gaaaaaattg ttgttgatga 360
aagtaggcaa taactagctg gctgaatggt aatagttgtt gctgcaaata aacagcaggg 420
ttcaatgtaa atagttgggtt gaatggaaaa aattgttggt gctgatagta gggagaaaaag 480

gtttgccaaa gctacttggt tg

502

<210> 8433

<211> 532

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-C5

<400> 8433

gattcattaa aacccaaaact ttattatgac catgcatata ttattggtca taccacacat 60
gataatgtgt gtcgtcttac tgcattatta catatataga tagagagaga tggatagagg 120
agatttccca aatatcatga atcagtagta gggcggaatg gcagcggaga cgccacaggg 180
gttggtgctg tagctgggca gctggtactg gtagagtcca cccatggccg gcatgttctg 240
cgccatcatc atggccatgg ggttgagacc ctgggctgcc agcagctgct gctgctgctg 300
catcagagct ggctcgtaca ggctgctgct ggcggcagcg gcacgctcaa actgcatcat 360
catctgcagc tgctgcgcga cggactgcac gtccatcatc ctcatctgct gctggcagca 420
ctgttgccgg agcggctgga acatggcgct cggctgcca caccggcggt agtagggcgc 480
cgccgccagc gggctgnact gcggtgcct taagtactcc gcgtaggggt ac 532

<210> 8434

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C6

<400> 8434

ggcgctgac ctgatgcct cctccacgct ccgctgcgag agccgaacgg gggatgatgag 60
agcttgctgc cacttgccct ggcagaagt atcacagggc caggggtcct gtcccgaaca 120
ccccaccagc ttcaacttcc gggcccgccg ccgccgtaag ggccagggta atttggtggg 180
ggccaatccc accaagcaca actttccggc cggccccgtt ggcttcaacg cccgcgacat 240
gggcttggtt aaccggcgcc aatccaagct gacctgatg tcccagccca tggccgcgcc 300
gatgcgcttc acattgttc gccaaaggcct tcgcgcgggg ggacacccgc accgcccgt 360
tcgcgccag agacctgccc acaggcaagc ggtgctcttt cacattcaca accaccacac 420

gcggggcgcc gaaagacccg cgccgccagc agcgacacca cgccgatggg ggcggcgccc 480
accacgagca caccgtctc gggcccacc cccgcgcggc gggacgcgtg cacg 534

<210> 8435
<211> 258
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-097-Q1-N6-C7

<400> 8435

aggggggtgt tnattttttt tttttttttt ttgttgtgtt gtggtgtttt tttgtnattt 60
ttttgttggg gggaaggggg ggtnatgggg gagggggggg gggggggggg ggggggaagg 120
ggggggtgtg ggggaggggg ggagtnaggg gggagagggg gggggcggca cgggtntggg 180
gggggggggg gggggggggt ttttttgaag caaggggggg agggggggaa nagggggggg 240
gtaggggggg gggggggg 258

<210> 8436
<211> 549
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C8

<400> 8436

agaatctggg aatgtaactt cttatttctg gttggccaca tacatcatcc aaaaaattta 60
ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttggttg 120
taggaggccg ctgggtctgt caaagcaagt tggacaaagg gcaacaattg ttgtagtgtt 180
aagagggttg cggggtttagc cgcaactgc tggtagaaag gcagcaactg ttgctgtgtc 240
aagaaggaag cacggtttgc tgcagctagc tggctaaatg gtagtagtat ttgctgctgc 300
aaataagcag cggggttcag tgcggccaat tggttaaatg gaaaaagttg ttgttgctga 360
gagtaggcag tagctagctg gctaaatggt aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag acagttgggt gaatggaaga aattgttggt gctgagagta aggagaaagg 480
tttgccaaag ctacttggtt gatcaagagt agcacgagtt gctgcaactg ttgtgccctg 540

atgggtttgt

549

<210> 8437

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-C9

<400> 8437

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caatgatgtg ttgttggttag gaggctgctg ggtttgtaa agcaagttgg acaaagggca 120
acaattgttg tatttgtaaa agggttgctg ggtagccgc aaactgcttg taaaaaggca 180
gcaactgttg ctgtgtcaaa aaggaagcac gacttgctgc agctagctcg ctaaattggca 240
gtagtatttg ctgtgcaaa taagcagcgg gggtcagtgc ggccaattgg ttaaattggaa 300
aaagtgttg ttgtgaaag taggcagtac ctactgggt aaatggtaat agttgttgct 360
gcaaataacc agcagggttc aatgtaaaca gttgggtgaa tggaaaaaat tgttggtgct 420
gaaagtaggg aaaaagggtt gccaaacct cttgggtgat cacaggtagc acgagttgct 480
gcagctgttg tgccctgatg gtttgtaaca atgactgcac caaatatagg ctggtgattg 540
ttg 543

<210> 8438

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D1

<400> 8438

ggaaatgtaa ctttttattt ttggttgccc acatacatta tccaaaaaat ttatttttga 60
attacaacta ataagcaatt taaaaaaggg caccaccaat gatttggtgt tggtaggagg 120
cccctgggtt tttcaaaaca agttggacaa agggcaacaa ttgttgtagt tttaaaagg 180
ttgctgggtt agccccaac tgctggtaaa aaggcaacaa ctgttgcttt gtcaaaaaag 240
aaacacggtt tgctgcaact agctggctaa atggtagtag tatttgctgc tgcaataaa 300
cagcgggtt caatgcggcc aattggttaa atggaaaaaa ttgttggtgc ttaaagtagg 360

caataactag ctggctaaat gggaatagtt gttgctgcaa ataaacaaca gggttcaatg 420
 taaacagttg gtttaatgga aaaaattttt gttgcttaaa atagggaaaa agttttccaa 480
 aatacttggt t 491

<210> 8439
 <211> 557
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-097-Q1-N6-D10

<400> 8439

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 gtacacagag gggccagtag cacatgctag naggaggact gaaacagtaa aagtgcacaca 120
 aacacctgat ggcgcgcggc atagacacgt aaacaagcag gaagatcagc ccacgtgcgc 180
 acgtacatgc atgcacagca cacgtactag tactagcagc gcggcacgga gacgccgcag 240
 gaggcgacga ctttgcgcgc gttggggctg ttgatgtagc gcccgtaggt ggggttcttc 300
 acgaactggc agaagcacc cgtctgcgcc ttgaggttgg agcagcacga cgcggagggc 360
 gtcgcgcggc cagtgatcgc cggcgcgcac gccgccagct gcccggcgtt gcacgaagcc 420
 gccgacgccg tctcgccgc cgtcgccgcc agcaccacca gcactaccag cgccactgcc 480
 gccatgccct gctgctgctg cttcgccatg tagtactgta gtgtattctc ttctctccca 540
 cactagcaga ccgatcg 557

<210> 8440
 <211> 491
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D11

<400> 8440

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 tttcagttca tggaacttgg gggcccccaa aattaatggc cctgcagttg cttttttggg 120
 ggtaaagggg ttgaaccaca aagagaaaaa caagcctttc agcgggggat gggcccccaa 180
 cttgggctgc ctaactggga aaagcataaa caatcgctta aatccaaaaa tggaacttgg 240

ttgtccagga ttcaacaagc aaaaagcccc cttatgaaac aaactccttg gggatttttt 300
 cggccttagc aatgacttcc tcaatgcccc caaccatgta aaatgactgc tcaggggggg 360
 tattatactt gccatccaaa acaccctgga aacttttaac acttttcttt aactccacat 420
 acttccttgg ggcacctggg aaaacttcag cgacatggaa aggttggtc aagaaacct 480
 gaattttttt t 491

<210> 8441
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D2

<400> 8441

ctagaatgta ctttcttatt tctgggaagc cacaaacatc agataaaaaa ctttattatt 60
 gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
 cactgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag 180
 ggtgccagcg ttaggcgcaa cgtgctggta gaacggcaac aactgtgggtt gtgtcaagaa 240
 ggtagcaggc ctcacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300
 agcaggagag ttcaatgctg ctagttgggtt gaatggaaga aattgctggg ggtaggcagc 360
 aggtagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgaacc 420
 tagttgggtt aatggaagaa actgc 445

<210> 8442
 <211> 543
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D4

<400> 8442

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 ggcgggggct tcccaccaca cagacacaga cgatgcatgc aaatagagcc cccagactca 120
 tctcttctct ccgatcagca gctgggtgctg agcatggcct cgtggaaggc ggcgacgcgg 180
 tccgggggtga cgcactgcgt gatgagccgc gccctggct tgtgggcca ggccttcacg 240

aggatgcacg tggcgatgta gtccaggttt gtcagcggca cgacgtgcgc gggcgggccc 300
catccgtagt ccaoctccgc gaagccgagg cgcgtccagt cggacaccag cagcgtgcgg 360
tagtcggacg tgatctggta ggggtcgacg ccgccggcgc ccagctccc cgccgcccag 420
cgcgcgaaact ccgcgggcat ccggcgcttc ccgtccttga tcatcctcac cacctccgcg 480
accgaggcgc ccgccacctt ccccgcgggc gccgacacgc gcatgatgta gtagcagttg 540
ccg 543

<210> 8443

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-D5

<400> 8443

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gacgaggggc tccttgccgg acggcctcca gacgccggtg ccggccgccc tggccgcgcc 120
gccgcccttg cgccagcact gcgtcgccgg gcggtggaag aagaagcgct ccccgtcggc 180
gtcggctccg gatccccctg gtgcggcggc ggggaggagg tcccacgggt ggaggcgcg 240
gaggtcggcg tcggggatga cgccggcggg gagcgggcag gccagcgctt tgcggcgag 300
gtagtgcagc agcagctcct cgctcggtggg gcggaagcgg aagccgatgg gcaggcccg 360
cacgggcgcg cccggccgcc ggccctccat cgccggccga cgggatcgaa gcaggattgg 420
gtttcgt 427

<210> 8444

<211> 292

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D7

<400> 8444

aagaatctag aaatgtactt tcttatttct gggaagccac aaacatcaga caaaaaactt 60
tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttgtt 120

ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgcagtt 180
gtaagagggt gccagcggtta ggcgagcgt gctggtagaa cggcaacaac tgtgggtgta 240
tcaagaaggt agcagggtc acaccagcta gctggctgaa tggtagtagt tg 292

<210> 8445
<211> 530
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-D8

<400> 8445

ccttccaaaa acttcttttt ggacctttac ctcatagcca ttttaaagg gggcccccc 60
atggtgggggt ggtgggtaaa cccctgtggg gttggcaaaa ccaggtgggt ggatgggcac 120
cattggtggc atttgaaagg ggggcccggc gttgggctta gcggccgggt gaaccggcac 180
cacctgttgt tgggttaaaaa gaggcaccgg ggctcacata acttacctgg ttaaagggtta 240
gaagtgggtg ctgctgaaaa taaccaccaa attcaaatgc tgtagtggg tgaaaggga 300
aaaattgctg ggggtgggca caacctacct ggttaaagg aaatgggtgt ggcaattaac 360
caccaaattt cattgcacc atttggttaa ttggaaaaac ctgtttttgt tgaaagtttc 420
cacaagggtt tgttaccca agttgttgaa tttgttgcc cctgtttttt tggccccca 480
attggcccaa gggtaaccgg ccctgggggt caccocggaa tttccggccc 530

<210> 8446
<211> 583
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E1

<400> 8446

ggaaattaac ttcttatttc taggaggcca catacatcag ccaaaaaact tcattattga 60
attacaacta ataagcaatc taaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgcagt tgtaagagg 180
ttgcggggtt agccacaaac tgctggtaga acggaagcac ttgttgttgt gtcaagaagg 240
aagcggggct tgtagtagct agctggccaa atgtagtag tatttgctgc tggaataag 300

cagaggggtt cagtgcggcc aattgggttaa atggaagaaa ttgttgctgc tgagagtagg 360
cagtagctag ctggctgaat ggtagtagtt gttgttgctg caaataagca gcagggttca 420
gtatagacag ttggttgaat ggaagaaatt gttgttgctg agagtagggg gaaaggtttg 480
ccagagctac ttggctgac actggttagca cgagttgctg caactgttct gccctgatgg 540
tttgtaccaa tgactgcacc aaagataggg ctggcgattg ttg 583

<210> 8447
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E11

<400> 8447

atataaataa atattccagg tagtataagg taatcagggt gcaatgcaag tcaaaagaaa 60
tccgatacaa taaagtaact ctgatagttc gctattggaa aactgggact tcgtgataca 120
gagttaaaaa gctcatgggt gctggaaaaa gccctctaata cagataaacc agccttgctc 180
ttcaagtgtg ccttgaaatc catgatataca ccttcccacc ttgtcaccgc ctgattctca 240
cacacccaaa tctcttgagc aacctgggtg atcagcctga aatcatgggt caccaagacc 300
aaaccaccat cccactcatt cagtgcctcc gccagggagt caatgggtctc aatgtccaaa 360
tgatttgctg gctcatcgag cagtagcagt tgcggctgcc tatatgcaa ccatgcaaag 420
atgacacggc tcctttgccc atcagaaaga ttcctcattg gcatcacctg cgcctttcct 480
gataggccaa acctgccaac agcagctcgc atcttctctt cttcgggtccc agggatttcc 540
ttcatcatgt aagccagagc cggcatgtcc agatccagct tgteccgc 587

<210> 8448
<211> 569
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E2

<400> 8448

actatctgga cgacatcctc gtcgttaagg ccatggccga ggccgcaatg ctgtggatag 60
tgccttgccg tggttcccca tacgagcaca tacttcacgt ccttgagcaa acttctatgg 120

atatgattgc agaagtctc caccgtgcag ccacctctgt cgggtggaaag aacaactggg 180
 tctgtgaaat caggctgctg gccctgtggc tttgtatata ccctcactag gcccatctcc 240
 tcccacattc togcaagtag tctgtccaag ttcagcttca aattgcagct gatcactagt 300
 gaatttggtt gccgagcaag attatcaacg tcatcgatac caacaacatc gatcttgta 360
 tatacgtaga cgcactttat gtacttccgg ttccttcga taacgtcaat gagatcatcc 420
 acagtagcat ctacacggaa taacacctca gcattgtgaa ttttgtactc gtgcagaatc 480
 tgatagcaca gcttctcatc aatatgagtc aaaggaacag tgggtattgaa agaaatccca 540
 cccgtcttct tctctttgaa gtatatctg 569

<210> 8449

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E3

<400> 8449

attaaaaaaaa aaaaagaggg gggcaaggg tttaaaaggg ttttttccaa aaagattctg 60
 ggaaaacggc aaaaggtttc ccggtgggca tggaattaaa ctttacattt ttacaaggtc 120
 aaacataaaa aaagaacagg gccacacact aaattttgat tttgaaaaga aaaagccatc 180
 ggaatcggga aaaaaccatt ttccattgaa aatttttggc cctggaaagg gaaaaggga 240
 atgtttttta acaacccct tttgtttga cttaaaaggg ggggagttaa aaaccggaa 300
 accaaagggg aaaccattta ttttgggaac gtccctgatg caaccattga aaaaaattcc 360
 agcccacca tttttttgaa taaaggggga aagggggcca ccaaaaaatg gaaaaaggat 420
 ggtcccaccg ggataaaaaa aaaaaaccct ggcggaact tttttt 466

<210> 8450

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E4

<400> 8450

agaaaagtac tttcttattt ctgggatatc ccaaacaatc tccaaaaaac ttcattattg 60

aagtataact cataagcaat ctaaaagggg gcaccaccaa tgatgggttg ttggtagaac 120
gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttg 167

<210> 8451
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E5

<400> 8451

agaaagtact ttcttatttc tgggaagcca caaacatcag ataaaaactt tattattgaa 60
ctataactca aagaaactaa aagaggcacc accaatgatg gggtgttggg agaacactgc 120
tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta agagggtgcc 180
agcgtaggc gcaacgtgct ggtagaacgg caacaactgt gggtgtgtca agaaggtagc 240
agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta aataagcagg 300
agagttcaat gctgctagtt gggtgaatgg aagaaattgc tgggggtagg cagcaggtag 360
ctggctgaat ggtagttgtt gttgttgcaa ataagaagca gagttcaatg aacctagttg 420
gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta gcacaagttg 480
ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta actgttgtaa 540
tagggctgat gattgttgga 560

<210> 8452
<211> 563
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E6

<400> 8452

agaaatgtac tttcttattt ctgggacgcc acaaacatca tccaaaaaac ttcatatttg 60
aactataact cataagcaat ctaaagaggg caccaccaat gatgggttgt ttggtagaaca 120
ctgttgagtt tgtcaaagca agttgggtga atggcagcaa ttgttgcagt tgtaagaggg 180
tgccagcggt aggcatagcg tgcaggtaga acggcaacaa ctgttggtgt gtcaagaagg 240
cagcagggtc cacatcagct agctggctga atggtagtag ttgttgcctg tgtaaataag 300

cagcagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tggtgttgca aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tggtgctgag agtatgcagc aaggtttgct agcacaagtt 480
gtttagattg ttgtgccctg atgttttgtg ccaccaaagtg gaccaaaggt aactgctgta 540
atagggtga cggttgttgg agg 563

<210> 8453

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-E7

<400> 8453

aggtgtgggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg ggggggggtg gggggggggg gggggggggg gggggggggg gggggngggg 120
gggggggggg gggggggggg gggggggggg ngnagggggg gggngggggg gggggggggg 180
ggggggggtt gggngggggg gggggcccgg gggggggggg gggggggggg nggggggggg 240
gggggggggn gggggggggg gagggggggg gggggggg 277

<210> 8454

<211> 223

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E8

<400> 8454

gagataaatc tcaatcaata tattgattat ttctaggaaa cacatgccgg aatgagggca 60
ccattatcga gtacatctca tatgtaatct aaaaaaggca cctccaacga tgggttgctg 120
cctcgacaag acagggttta tcaaagagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggtagccac tgctagtga tta 223

<210> 8455

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-E9

<400> 8455

aaaaatgtac tttcttattt ctgggaagcc acaaacaatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg gcccaccaa tgatgggttg ttggtagaat 120
gctgttgggt ttgtcaaagc aagtgtgttg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca attgtgggtg tgtcaaaaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaaagctgt cagttgggtg aatggaaaaa attgctgggg gtaggcagca 360
aatagctggc tgaatggtag ttgttgttgt tgcaataaa aagcaaagtt caatgcaact 420
agttgggtga atggaaaaaa ctgttgttgc tgaaagtagg cagcaagggt tgctagcaca 480
agttgttga gttgttgc cctgatgttt tgtgccaata aatg 524

<210> 8456

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F10

<400> 8456

ctaaaaagta ctttcttatt tctgggaagc cacaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttgggt gaatggcag 159

<210> 8457

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F11

<400> 8457

ccaaacatcc tttttcccta ttttttattc ctttccattt caatgggttca ttcagggtcat 60
tgctcacact gcccccatg gggatggggg aactccgtt cctcatcgcc gctaaacgag 120
ggaactagct ttagccctat aggtagctag tcagcggctc cattacattt ttactacagt 180

acatagtttc c

191

<210> 8458

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F2

<400> 8458

gaaaaatcca agataaatga accaagtttt gctgttcaag acataactcgg acagacacca 60
cccggtacaa tgtgacgcgc accgacttga cagaccaaca acgcacaaat atgtctacca 120
ggatcctacg actgacgcta catatatatt ggtagccttt ctttcgtctg tggcaaatga 180
acttggcaca accacaagaa acctcccata acaaacaaac caaaatcaac ctacattagg 240
agaccaccgc ctggtttatc atcccctggg cccattgtgc agtctcccga acttcatcat 300
ccaactgttg ggcttggcac tccctcaaga actcaacatg gaatagggtg gtcttgaaca 360
gatcctttga gctctggcca agcgtgtctg caagatcccc aaggacagca actgcagcct 420
ttgtcacact gtcacccctg ctctatctt tgaagacagc ttcagtgaac tgtagtagat 480
gtgttgcata tgggatcatc agctgagctt ttggggccctt gatgccctgg agtataccag 540
agtatgcctc aaaaagccac gtctgagctg gttgccataa tcaaccata 589

<210> 8459

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F4

<400> 8459

atgtttgtgca cgcacacagc cttctatctt tgccataat acgggcatca aaatatggtt 60
acaaccaaag cagctcttcc catagttcaa ttacaccagt ctttaacaca aattacacaa 120
tatttatgcc tcccgatata aatacatgta atcaaatcgc agccaaaaga ccaatcatta 180
agttactctt aatatacata caagagcggg gctagccgac aaccgttccc agggaagcga 240
cttactccta gtgagcgacc tcatcagttc tggcagataa aaacggacct attgagggcg 300
attggttact ctttaatggt caccgcaagg tgtcttagta aataactaag aaaaaaaaaa 360

tcgcctcagg taagagcagc tgtcgcagaa aaggccata cctccattag tttgagatat 420
 ccccgttatg gtactgggggt tgcatataac ccattccttg gttgtatgct ccctggtggc 480
 ccatcccttg tgcagctgag ctacttgctc ccacatgacc aagggcaccc tttttaattg 540
 agccatcgct agattttgca 560

<210> 8460

<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F5

<400> 8460

gcaaaaacag cactcaccat tcaaaactat ttgacatccc attgcagtgt tcggagcadc 60
 tcacggaggg cctcgctctt tcatatgtgt tttgtacaat tgcgctcatt cagaaggagc 120
 tcccgtttac aagagatttt ggctgctaata gtggtaccag taaaaaaaaa agctacagta 180
 ccaagcaggt ggtatcacc gaagaggtgg tctatctgaa tgtggcctca tgagggctac 240
 acaaattctc tgggtatcac ttattcgtct gtttattatt tgcgtcagat tcagctttcc 300
 acacgatatc tttcagctcc gatgagaagt tcttgtaaaa gctgtggaac tccaatgtgt 360
 ctctccgggt tttacgaagc tcaacctatg gaagtgatgg ggcaacctca aaaacctcag 420
 ttgcaacaga taagtacct tttcttccag atttgtcacc tttcaatttc atcttgtaat 480
 tttgtttccg cacgttgaaa ccgagtggcc cacatgcadc ctctatTTTT gtcatg 536

<210> 8461

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-F7

<400> 8461

gaggcaacca gaaatttctg ttactacag aattgagtga ccaaacataa aaggagccat 60
 caagtccaat agcaccctta caacacctgc aacacacaat tgagatgadc atactcaagt 120
 ctaaacacat tocaacaagc tctcaaagc tggcatttgc tgcactggcg atcctaggcc 180

aaaggtcagc acactccttg ccgataggtc cagtgattgc agaacctttc atctcaccct 240
 tgggattcac aatcactcca gcattatctt cgaagtacat gtagacaccg tccttgcgac 300
 gccacggctt gcgctggcgg acgatgacgg cgggcatcac tttcttcctg aggtcgggct 360
 ttcccttctt tacggtggcc atgaccatgt cgccgacaca ggcggacggg aggcgggtga 420
 ggcggccctt gatgcccttg acggagatga tgtagagggt cttggcgccc gtgttgctcg 480
 cgcatgtcac cgtggccgcc accggtagac ccagtgcacat gcgngaactt gttcccagcc 540
 gaacctcccc tacctcgctt cgacatgacg gcggct 576

<210> 8462

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-F8

<400> 8462

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 aaaagggggg ggggggggcc ccttttttta gggggccggg gggggccccc gggaaaatcg 120
 ggccggggccc ggggggggga aaaaatttcc cttaaagggg ggaaaaaaaa agggggggga 180
 aaaaagggaa aaggggggtcc ccggggaaaa aaggtgtccc ccaaaaattt ccaaaaaaaaa 240
 tagggggggg aaaaaaaaaag ggaaaacccg gggggcccta agggggggccc aaaccaatt 300
 ttatgggggg gagccaaagg gcccttttca aaaggaaaaa ccccccgcc ccgggttttt 360
 aaaaaatccc ccccccccg gggggggggg 389

<210> 8463

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G1

<400> 8463

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 gaatgacagt tcattcgtct aggaatccaa gtcaaaactt aagttgagtc gttgctctga 120
 actgtatagc tagcagatgc gaagtgttct ttcaccagag caagagcttt ccctctgtga 180

gatatgttgt tcttactga cttgggcac tcagcatatg tttgttcaaa accatctggc 240
tggaacacag gatccccccc aaaataatta gggcctctag caggcacgat ctttcccgca 300
gttttgccaa caaatgtgat tggttcctct ccaggtccaa gagcaagaga gaagatgcac 360
atagcaaacg ctgatttata ttcataagct tttaacagat tatttaaacc ttcatgcccc 420
atcttctcaa gaaaccactt tatgtagggt cctggtaggc ctttgagcgc attaaaacat 480
aggcaggtgt cctccaccag tacaggccca ttcacctgag atgcagcgat tcgtgctttc 540
tctttggata tgtactctgg ccccccttgc agttc 575

<210> 8464

<211> 300

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-G10

<400> 8464

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tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgt 120
agaatgctgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgtaggc gcagcgtgct ggtagaacgg caacaactgt ggttggtgtca 240
agaaggtagc agngctcac accagctagc tggcntgaat ggtagtagtt gttgctgctg 300

<210> 8465

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G12

<400> 8465

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cataaaaagg tttgctgcaa cttctagggc agcttataac agtacatact agcagcacia 120
atgggtcaagg aacagcatgc cagacaacgc attttgcgcc cgaacgctcg acttcctgtc 180
aagcggtttt taccatacca aggttacacg atccatcgat gcaataccat tgtaggttct 240
tgttttgtag acgcaaacgc agccgatcta tatgacagac ccacggttga tggttgcatt 300

cttcaagatc accacgattc cagaccttat gtagtaccct tcttccgggt gatcagcctc 360
 ttggatgccc ttactgtttg tgatcaccac gttcttccca atcctagcat tcatgtcaat 420
 gatacagttc cttatctttg tgttccttcc tattccaact gggaccttcc cagctaacag 480
 tagctttgaa gcttcttctt cagtttcata ggtgt 515

<210> 8466
 <211> 552
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G2

<400> 8466

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 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaaaaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaaaaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataaa aagcagagtt caatgcagct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttgta gttgttgtgc cctgatgttt tgtgccataa aatgcaccaa aggtaactga 540
 tgtaataggg ct 552

<210> 8467
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G4

<400> 8467

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 tttacaagag cagcagacag acagggtttc cagcattgaa cttcttatca acagcatcca 120
 tccatgagcc aatggaaaca acaagcttca gcagctcagt gatcgacaca cgctcgcttg 180

aacgacacct cggaccacct agtaattaag agactccctt cttcccttca cgacgtccac 240
gccagtcaca tcgcgcctt caaggccatc gtctcagga gcggttcctg cttcagtttc 300
ccttgctga atctctcag catctccagg gcagctttcg gc 342

<210> 8468

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-G6

<400> 8468

ctggaaatgt aacttcttat ttctggttgg ccacatacat catccaaaaa ctttattttt 60
gaattacaac taataagcaa tctaaaagag ggcaccacca atgatgtgtt gttggttagga 120
ggccgctcgg tctgtcaaag caagttggac aaagggcaac aattgttgta gttgtaagag 180
ggttgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct gtgtcaagaa 240
ggaagcacgg tttgctgcag ctagctggct aaatggtagt agtatttgct gctgcaaata 300
agcagcgggg ttcagtgcgg ccaattgggt aaatggaaaa agttgttggt gctgaaagta 360
ggcagtagct agctggctga atggtaatat ttgttgctgc aaataagcag cagggttcag 420
tgtaaacagt tgggtgaatg gaaaaaattg ttgttgctga gagtagggag aaaggtttgc 480
cagagctact tgggtgatca caggtagcac gagttgctgc agctgctgtg ccctgatggt 540
ttgtaccaat gactgcac 558

<210> 8469

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H10

<400> 8469

aaatctcaat caatatattg attatttcta ggaaacacat gccgctatga gggcaccatt 60
atcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgccaca 120
acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc tgctgtagga 180
aggcaacgac caatgggtta gccaccgcta gtggattaag taactgttgt cgctgttgta 240

ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
 cagcagggtt tgccacagct agctgagtca gagctggtag aatctgttgc agcaactggt 360
 gttgcaggta tgtaggtgca ttaaccacag cgagagggct agatgaaatc agttgttgct 420
 gttgtaggta ggcggcaggg ttcacatgg ctagttgact gagcgtggt agaaactggt 480
 gcaattgttg ttgttgttgg tatgcaacta tgtttgccag agcaagtggg ttggatgcaa 540
 gcaactgctg ttgcaagtag gcgacagggg tcaccacagc ta 582

<210> 8470

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H11

<400> 8470

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 gctgcctcga caagacagga ttcacaaag agaactgggt gtatggcagc aattgttgct 180
 gctgtaggaa ggcggcgacc aatgggttag ccactaccaa tggattaagt aactgttgct 240
 gctgtttag gtacgcagca gagttcgaca gagtcagttg gttgaatgga agcagctgtt 300
 gcaagtaggc aacagggttt gccacagcta gttgagtcag agctggtaga atctgttgca 360
 acaattgttg ttgcaggat gtaggtgcat tgccacagc gagcgggcta gatgaaagca 420
 gttgttgttg ttgtacgtag gcggcagggg tcacatggc tagttgactg agcgttggca 480
 gaaactgttg tagctgttgt tgttgctggg ttgcaactac gttcgccaga gcaagtgggt 540
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<210> 8471

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H2

<400> 8471

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tttttgggag ttgttattac cacttggtgg tt

92

<210> 8472

<211> 208

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-097-Q1-N6-H4

<400> 8472

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attattttctc aatcattgcc gctaaatgac tcaactagct agctaggcag ggggttttcc 120

tccgcatcta atttttttca gggggggcac ccccnggctg cgcttttggg cctggagttc 180

gctgctggag gccctccttt ccgtcagt 208

<210> 8473

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H5

<400> 8473

gaatgaaata atgaactttt ttttctctct agatctcgac cctgtatata gaaggaattt 60

gtcatatgaa tatgatacag aagcgttgcc tatgttagca tactgatcct accagacata 120

tcaagcatgc aacgatcgcg gcagcaatca ggcaacaatg ctggagacct atcctcatct 180

agaaccagtg agcttttctc tggcatgcaa cgatcgagc agcaaaatgg aaatgccccat 240

gcatgtacat atatacggaa agatggagct ggctaaagca aggactgcaa cgtcaaaaca 300

cagcagacag cttcgatcta aaaaagaaaa tcctgcaaag ttcataacac tgagggttac 360

agcagccttt cttccacctg acatcatgag cctttaatca cctatcatga atgtgtctcg 420

atccagggtca caacatggta gattcgcaca tcctccgctg acagcaatgc tttattgtga 480

ccacccccac caaaggttgc aaggaatcta atgcacaagc aactgatctt cagaacatgc 540

atctgcacct tgctgaatc 559

<210> 8474

<211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H7

<400> 8474

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aaatctcaat caatatattg attatttcta ggaaacacac gtcggtatga gggcaccatt   60
atcgagtaca tctcatatgt aatctaaaag atggcacctc caacgatggg ttgctgacct 120
gacaagacag gattcatcaa agagaactgg ttgtatggca gcaattgttg ctgctgtagg 180
aaggcggcga ccaatggggt agccactacc aatggattaa gtaactgttg tcgctgttgt 240
aggtacgcag cagagttcga cagagtcagt tgggtgaatg gaagcagctg ttgcaagtag 300
gcaacagggt ttgccacaat tagttgagtc agagctggta caatctgttg caacaattgt 360
tggtgcaggt atgtaggtgc attgcccaca gcgagcgggc tagatgaaag cagttgttgt 420
tggtgtacgt aggcggcagg gttcaccatg gctagttgac tgagcgttgg cagaaaactgt 480
tgtagctgtt gttgttgctg gtttgcaact acgttcgcca gagcaagtgg gttggatgca 540
agcagctgct cttgcaagta ggcg                                         564
  
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<210> 8475
 <211> 562
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H8

<400> 8475

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gttggttgca taagaaaaac aattcctaaa tatattgttt cctctatgaa taacgactga 120
tgagttctgc cccatgaagt gctgtggcag cataatgtat gcccaaaact gtaaatagct 180
aactcgaatg atacaagcaa accacagagt tttcacaagg tagctaaaga taatttggtg 240
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tctacgctgt gtttgtcaca gtatgctttg tgctgtgatg tagtaccaaa ccctttctgt 420
ttcatgtata aaccagaact tctagcgcaa gtaggatgga aagtaatgtt gcaatcccca 480
  
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ctactacacc ttaagcacat gccaacattg cagaggcaga gacaacaagt gtcttttccc 540
tctacaaggt tttccattcc tt 562

<210> 8476
<211> 215
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-097-Q1-N6-H9

<400> 8476

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gggggctttt ggttttttaa aaaaaagtgg gaaaaaggga aaaattttt tttttttaa 180
aagggggggg gggttacccc aaaactgttt ttaaa 215

<210> 8477
<211> 156
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A8

<400> 8477

gtttgggggg tttttttttt tttttttttt tttttttttt tgtttttgtt tttttgtcgg 60
gttctttttt ggggttttgg tgctttcggc cgggtgctct gtggggtggg gtttctctgg 120
tggtcttttt ctttgggggg cttctggtgg gggggg 156

<210> 8478
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A9

<400> 8478

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gggctacccc ccccggtgcc tgggctttgc gggggggggg gaagtttcag aacctttttg 180

gtgcttgctt gcctgccttt gccggggttg ggagaggggt ttttctctct ttggcggggc 240
 ccgccttgcc gggccggggc gggggcccg gtttccctcc cctggggcct tgccgacca. 300
 tggcttggtt ggggtttaaa ccggggatgg atatgggctt tttttctgcc cacagtggc 360
 ggggaagtgc tcgggtgggt ggtggttcct ggtttgccc cccgaatggc ccggggtggg 420
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<210> 8479

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B1

<400> 8479

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 actataactt ataagaaatt taaaataggc accaccaatg atgggttggt ggtagaacac 120
 tgtagggtt ggcaaagcaa gttggttgaa tggcagcaa 159

<210> 8480

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-C9

<400> 8480

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 tttttttttt tttttttttt tttttttttg tgtttttttt tttttttttt tttttttttt 180
 tttttttttt tttttttttt gggggggggg ggggtgtttt tttttttttg gggggggggg 240
 ggtggttggt aaaaaatttt tttttttttt taaaaaaaa aaaaaataa aaaaaggggg 300
 gaaaaaaatt tttttttttt tgggggggtg tttttttttt taaaagataa ttgtaaaaaa 360
 aggaaaaaat ttttttataa aagaaagggg ggattgngat taaaaatttt ttttatt 417

<210> 8481

<211> 107

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-D11
 <400> 8481

gntttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttggg gaaggaactt tttttctggg gggcccatat attagcc 107

<210> 8482
 <211> 484
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-D4
 <400> 8482

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 aagggaaaat cagttcatga tggccacaaa catgcaagag ctggaagtng attccgagta 120
 gaggtccaac gtccaaggct ctcgctatct cgagtcacac acggtgcctt ctggaagcgc 180
 ggtcaggtgc acaagagggg catgtgattt cagggaagca ttggcaccag tgatcttggt 240
 ctcttttggt ctgttgagca ccttcctcac ctcgtttgca agctctatga tcgaatcatc 300
 ttcgtggcta atgctggcta atgccttctc cattgaaaca ggtaatccct attatagcca 360
 gtagggccat tggctgtagc aatttgctt gccatctct gcaaaggagc agggccaaga 420
 tagtacttgt tgccaattgg atctggagtg gaaacgaaca ctaagacgcc tgtcacagct 480
 gggt 484

<210> 8483
 <211> 498
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-D5
 <400> 8483

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taaactagcg agctaggtag ctagtcagcg gctccattac attattacta cagtacatag 180
 tttcctcagt agtagacacc gccggcagct gcgttgcaag ggcagggacc tggtctgtgc 240
 agctgcaggc cgcacatcgc cgtcagctgc tgcgctacct gggccgccat cagcgccgcg 300
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 taccggtgca gcggctccac ctgcctgata tgggtggcagc actgctgtgt cagcgccctgg 420
 cactgtggcg agcgcgtaggg cgtcgccgcc gggctgcact ggtgcctcag gaactcgacg 480
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<210> 8484

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-E10

<400> 8484

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 atctaaagca aaagggtgga ttttgataca cggngnaaga tatacaggac ggctgttttag 120
 aggagaggtc gtttcgattc gccggcacgc tcgctctctt ccgttcccca tgatggatgg 180
 atgtcatga agaccagcag ctgaggcgca acgcctcctc gaacttgctt tccagctcct 240
 tatcagcgtc gcccggcgcc gatgacttga tctcctcgcc ggcgtcgccg tcgtgcagtg 300
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 tctcctcca gaagccgccg ggggcagccg cctccctgcg cggcgggggc ggcggcgtcc 420
 ccacctccgt cggcctgtgg agctggtggt agctcaggaa cagcatcgac gcgctcgggg 480
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<210> 8485

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-F3

<400> 8485

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tagaacgctg ctgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt 180
aagaggggtgc cagcgtagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtatc 240
aagaaggtag cagggctcac accagctagc tggctgaatg gtagtagttg ttgctgctgt 300
aaataagcag gagagtcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag 360
gcagcaggta gctggctgaa tggtagttgt tgttgttgca aataagaaac agagtccaat 420
gcagctagtt ggttgaatgg aagaaactgc tgttgcctgag agtaggcagt aagggtttgc 480
tagcacaagt tgttgaatt gttgtgccct gatgttttgt gccataaaa gcaccaaag 540
taactgttgt aa 552

<210> 8486

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-F8

<400> 8486

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ttcacgatta tattgtccca aactcgaatc tgcttttttc aaccatcagt catcagccca 120
accgaggggg gggcttacac caaacgagac atattccaca catgcaatga tacggtgcat 180
gtcctagctt gttcatccat tcacacacat tgcttaccaa ctactgggta tttcgggatt 240
ttcaaaccat gcatg 255

<210> 8487

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G6

<400> 8487

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120

gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
 agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaaagtt tgctagcaca 480
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 tgt 543

<210> 8488
 <211> 265
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-H3
 <400> 8488

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 aagtataact cataagcaat ctaaaatggg caccaccaat gatgggttga aggtagaacg 120
 ctgttgggtt tgtgaaagcg agttggttga atggcagcat ttgttgcagt tgtaagaggg 180
 tgccagcgtt aggcgcaacg tgcaggtaga acggaaacaa ctggtgatgt gtcaagaagg 240
 cagcaggctc acatgagcta gctgc 265

<210> 8489
 <211> 212
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-H4
 <400> 8489

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 aatctccctt ttataaaaa ctctaaaaa acccctatta taatcggggg ggccccaacc 120
 cctcacaaa aagcgtggga gggaccgcag acccaagaaa aaaacaaagg ggggcccccc 180
 ccgggggggg ggggggggga aacgcggggg gg 212

<210> 8490
<211> 268
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B2

<400> 8490

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aaattcgagg gcaagctaaa gatcgagaaa gaagggggcc cagcgaaaag gaaaatatag 180
gggcaaaaat aagaaaaata aaaaccggga aagcctatctt atacattttt aagaaaaaag 240
ataggctgtt taaaaaaaaa agaccagg 268
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<210> 8491
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B3

<400> 8491

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cgggggttca acacattcgt tttgaaacac atgtgcgtgg ggggtgttaa gcacagttaa 180
cagattgaca aggactatta cttttgggtg cttgttagc cttgggtgggt gtgggttgag 240
tttgtccctt gagcctttca gtgcttctta tggggttgtg accaatcttt tggctttggg 300
gaggtttttg ggggacagtt gag 323
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<210> 8492
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-102-Q1-N6-C4

<400> 8492

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt nttttttttt tttttggggg gggggggggg ggtttttttt tttttttnt 180
 tttttntnt aaaaaaaaaag aaattttttt ttttggggg gccccccaca tattataaaa 240
 aatatgtttt tttgggtttt ttatttaaag gaagtaaaaa ggggggcccc ccaaaaaggg 300
 ggggggtggaa aaaaaattcg gtgggttaga aaaaaggggg gggtgggggg gaaatttggg 360
 gtgggggag aagagggggc cttttttgtt ttatttttat tttgaataaa aaaatttttc 420

<210> 8493

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C5

<400> 8493

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 ccaacgatgg gttgctgcaa ggcagggtgg atcaaagaga actggttgta tggcagcaat 180
 tgttggtgct gctgcaggaa ggtagcgacc aatgggttag ccaactgcaa tggattaagt 240
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 gatgaaagta gttgtaggta gacggcaggg ttcaccatgg ctagttgact gagcactggc 480
 ataaactgtt gcagctgttg ttgttgctgg tatgcagcta cgttcgccag aacaaggggt 540
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<210> 8494

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C9

<400> 8494

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 tctttttctc ctatgccttc taaattatgg gggggggggg ggggggttgt tggggggaca 180
 cgggtgggggt tgtcaaagct gggaggggtga aaggaggaa tgggtgcagt tgggaagagg 240
 ggccgggggt aggcaaagcg ggcattggga acaggaacaa cgggtaaagg ggcaagagg 300
 cgccaagggt aacatgggtt agctggccaa atggggggag tggttgatgg tgttaataag 360
 cggcaaagct caaagctgct agtgggggtga acgggacaaa tggctgaagg taggcgggga 420
 ctggccggcc gaatgggtat agggggggcg ggtgagccga ataatccaaa gcagccaat 479

<210> 8495
 <211> 122
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-D10

 <400> 8495

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 ttggtttttt ttcattacat gctcatcgca cttccagtt gcaccaagac caacacacac 120
 ac 122

<210> 8496
 <211> 237
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-102-Q1-N6-D2

 <400> 8496

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 actaataagc aatctaaaag atggcaccgc caatgatgtg ttgttgtag aaggctgctg 120
 ggtttgtcaa agcaagttgg acaaagggca ggaactgttg cagttgtaag agggttgcgg 180
 ggtatagcca caaactgcgg gtctaacgga acaattgta gtcgtttcaa aaaggaa 237

<210> 8497
 <211> 410
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-D5

<400> 8497

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ggctttaacc ttgtgaagca ttacagggggg gggggggccgg actttttaaact ggggncgggtt 180
tcttttggttt ttttttggtt cagttcaaact tggttaacttg cccgtttttt ggcacacgag 240
gtttgtcccc ttctttgggtc ccgaagatatt tctgcctgtc cttggcttag ggggctatcc 300
ttcctcctgg gttttttgaa caacatttta atttgaacca aacgggaact cattttgtgc 360
tcgggacgct tgcgggttta gctacttcgc tgggtgggttt tgcggggcgc 410

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<210> 8498
 <211> 144
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-E1

<400> 8498

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ggtggtggtt tttattttct tttatttttt attctttttt tttttgggaa attatttttg 60
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aagaaacacg tttccggggg gggg 144

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<210> 8499
 <211> 498
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-E10

<400> 8499

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agaaatgtac tttcttattt ctgggaagcc acaaacatca gacaaaaaac tttattattg 60
aactataact cataagaaat ctaaaagagg caccaccaat gatgggttgt tggtagaacg 120
ctgctgggtt tgtcaaagca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180
tgccagcggt aggcgcagcg tgctggtaga acggcaacaa ctgtggttgt atcaagaagg 240

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<223> Clone ID: LIB3061-102-Q1-N6-G11
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<210> 8501
<211> 113
<212> DNA
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<400> 8501

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 ttattcacct cttttggcac ggcaccgggg gggggggggg gaaacagggg gccttttaca 180
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 <223> Clone ID: LIB3061-102-Q1-N6-H12
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<210> 8504
 <211> 84
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 <212> DNA
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 gggctcctcc aatgtatggg ggggggggtgg aacgctgctg gggttgtcaa atcaaggcgg 180
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<210> 8506

<211> 497

<212> DNA

<213> Zea mays

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<400> 8506

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 ggttgtttggt agaacactgc tgggggtggg agggcaagtt ggttgaatgg cagcaattgt 180
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 ggttgtgtca agaaggtagc agggctcaca ccagcttgcg ggttgaatgg tggtagttgc 300
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<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A11

<400> 8507

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 agcaacacca acaacaacaa gttcacatgc aaccacaaaa acatcagcaa caacaagaag 180
 ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa caacaacagc 240
 accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca caaggccatg 300

tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag caacaacatc 360
aacaacaatt ccaggggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc 420
agggccagga aaaatcacia cagcaacaat gtcattgccca ggagcagcaa cagactacaa 480
ggtgcagcta taactactat agcagtagct caaatctaaa aaattgtcat gaattcctaa 540
ggcagcagtg cagccctttg gtaatgcctt ttctccaatc acgtttgata caaccaagta 600
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<210> 8508

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A12

<400> 8508

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ccgtagaacc ggacctcaag gcgtcggagg tgacggtgaa gggcgtgttc gaggagtcca 240
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acgcctacc 609

<210> 8509

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A7

<400> 8509

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 cctgttcttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag 300
 ggagaaacag ttgcagcaac tcgtgctacc agtgatcagc caagtagctc tggcaaaccct 360
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 tgctgcttat ttgcagcaac aacaactact accattcagc cagctagcta ctgcctactc 480
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 ccagcagcaa atactactac catttggcca gctagctaca acaagccccg cttccttctt 600
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<210> 8510
 <211> 657
 <212> DNA
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 <223> Clone ID: LIB3061-103-Q1-K6-A8
 <400> 8510

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 tcattattcc acaatgctca cttgctccaa gttccattat tacacagttc ctcccaccag 180
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 cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300
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taccagctct gactcagcta gttgtggcaa accctgctgc ctacttgcaa cagctgc 657

<210> 8511

<211> 659

<212> DNA

<213> Zea mays

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<223> Clone ID: LIB3061-103-Q1-K6-B2

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accaactatc tacactgaac cctgtgtgct atttgcagca acaactatta ccattcagcc 480
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tgaacctcgc tgcttatttg cagcagcaaa tattactacc atttagccag ctagctgcag 600
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<210> 8512

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B5

<400> 8512

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cctatagctt cctttcttcc cccatacctt ccatcaatga tagcttcagt atgtgaaaac 180
ccagctcttc aacctatag gctccaacaa gcaatcgag caagcaacat acctttatca 240

cccttgtttc aacaatcgcc agccctatct ttggtgcagt cattggtaca aaccatcaag 300
gcacagcagc tgcagcaact cgtgctacct gtgatcaacc aagtagctct ggcaaacctt 360
tctccctact atcagcaaca acaatttctt ccattcaacc aactatctac actgaaccct 420
gctgcttatt tgcagcaaca actattacca ttcagccagc tagctactgc ctactctcat 480
caacaacaac ttcttccatt taaccaattg gccgcactga acctcgctgc ttatttgcag 540
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<210> 8513

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B8

<400> 8513

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ataaaaaaga atcaaaaata aaaaacacaa aattaaanaa aaaatagggg cggccttttt 120
aaaggaacaa agattccatg ggcgggcttg caacaa 156

<210> 8514

<211> 665

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C11

<400> 8514

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ttgctgcata ctctcagcaa catcagtttc ttccattcaa ccaactggct gcattgaaat 420
ctgctgctta ttgcaacaa caattaccat tcagccagct agttgctgcc tacccccagc 480

aattttcttcc attcaaccaa ctagcagcat tgaactctgc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgatg tgagccctgc tgcccttcttg acacaacatc 600
agttgttgcc gttctacctg cacgctatgc ctaacgctgg caccctctta caactgcaac 660
aattg 665

<210> 8515

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C4

<400> 8515

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gccgccgcaa ggaggaggag gaggacaggg gggctactac taccctgca gccgggcagg 480
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<210> 8516

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C7

<400> 8516

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 ctggattctc gggggcggaa cgatgcctc caagtaactg cgaagagcat agtgcagag 540
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<210> 8517

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C9

<400> 8517

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 tccacaacgc cttcagcacc tacggcgagg tcctcgagtc caagatcacc ctcgatcggg 180
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<210> 8518

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D10

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gcaatcattg gcacaaacca tcaatacaca gcagctatga tagctcgagc tagctaaaac 180

caaccaattc aaccctatca agcttcaaca agcaatctca gcaagaacca taccttccat 240

acaaccaact gaacacactg cagcctgatg tttattgcaa gcatcaactc ttaccattaa 300

ggcacataac ttctagctac tctcactaac aacaaccaac cacatttaac caatagaccg 360

tactgaatac tatcagctta tatacgcagc atcaacatac tactaccatt taaccatgta 420

gcttgatgat aacgtgcac ctcactaca cacattcagt cacttactta ctacctactg 480

ttatcaacta acacttcac catcttaca ctacaacaa 519

<210> 8519

<211> 622

<212> DNA

<213> Zea mays

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tggatcaact ttgagataca agagtgtgga acgcattaag gcagttggca agcatagcat 360

cattggagca agcggagagt tcagtgactt ccaggagatt ttgcgctatt tggatgaact 420

aactctgtct gatcatatgt gggatgatgg aaactcgctg ggccccaag agatccacag 480

ctatttgaca agagtgatgt acaaccggcg caacaagttt gatcctctct ggaactcact 540

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<210> 8520

<211> 318
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-D7

 <400> 8520

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 tgtgggtctgc aaaattgttt catgcaaag ttagggagaa atcatgtaat gttagtcctc 180
 ttttataggt tccgtttggg tcaaggtctt gttaagggaa tgctaaagag ctcaaccaa 240
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 attaaatttg ttattcgg 318

<210> 8521
 <211> 120
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-D8

 <400> 8521

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<210> 8522
 <211> 661
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-E10

 <400> 8522

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gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
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<210> 8523
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E11

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 tatacaatcc tacatggtac aagaggccat ccaagcaagc atcttaagggt cattagcatt 240
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 aaac 664

<210> 8524
 <211> 641
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E7

<400> 8524

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<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 8525

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aattg 425

<210> 8526
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<223> Clone ID: LIB3061-103-Q1-K6-F1

<400> 8526

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ccattcagcc agctacctgc tgcctacccc cagcaatttc ttocattcaa ccaactggca  180
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<210> 8527
 <211> 647
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F10

<400> 8527

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ctgcacgcta tgcttaacgc tggcaccttc ttacaactgc aacaattgct gccattcaac  540
  
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caacttgctt tgacaaaccc aacagtgttc taccaacaac ccatcattgg tgggtgcctc 600
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 <212> DNA
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<223> Clone ID: LIB3061-103-Q1-K6-F4

<400> 8528

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 aatgtctaca agctcctata gcttcccttc ttccccata cctctcacca gcgatgtctt 180
 cagtatgtga aaatccaatt cttctaccct acaggatcca acaggcaatc gcagcaggca 240
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 tcagggcaca acaactacaa caactcgtgc tagcaaacct tgctgcctac tctcagcaac 480
 aacagtttct gccattcaac caactagctg cattgaactc tgctgcttat ttgcagcaac 540
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<210> 8529
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 <212> DNA
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<223> Clone ID: LIB3061-103-Q1-K6-F5

<400> 8529

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 caatgtcac aagctcctat agcttccctt cttccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaacct tacaggatcc aacaggcaat cgcaacaggc 240

atcttaccat tatcaccctt gttcctccaa caacogtcag ccttattaca gcagttacct 300
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 aaoccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600
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<210> 8530
 <211> 521
 <212> DNA
 <213> Zea mays
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 <400> 8530

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<210> 8531
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-F8
 <400> 8531

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 tgtccaactt gctttgacaa acccagcagc ctcctacca caacacatca ttggtggtgc 360
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<210> 8532
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 <223> Clone ID: LIB3061-103-Q1-K6-G2
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<210> 8533
 <211> 533
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-G6

<400> 8533

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gcgtcggctg ccgtcacggc aggtttttgc gcggcggtgcc ccgagatcag caccctgacg 180
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cggttggcca tgcaggctcc caagttgacg agaaggtttc ctggcgcggt gatgcacca 480
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<210> 8534

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-G9

<400> 8534

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<210> 8535
 <211> 646
 <212> DNA
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<223> Clone ID: LIB3061-103-Q1-K6-H10

<400> 8535

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<210> 8536
 <211> 503
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H4

<400> 8536

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gggcgccaag gacgcggtga tgagcacgct ggggatgggc ggggacgaca agcagggcga 180
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aagttcgatt cgcaggtacg ttgctgtgtt ttttttctgc gccatcaggt gtctgtaaac 420
gagtcgggcg ggtttgagtg tcctttgttg tgataataaa gttggtaaata cgtaattaat 480
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<210> 8537

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A1

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<210> 8538

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A10

<400> 8538

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caaacaatca agctacggg ggggggggcg gctccattac atcattacta cagtacatcg 180
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<210> 8539

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A11

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tattttgggg gtctgagggg gccaaagccg acattgatgg gggggattgg gctgggtggca 180
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<210> 8540

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A12

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<210> 8541

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A3

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<210> 8542

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A4

<400> 8542

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<210> 8543

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A5

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<210> 8544

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A6

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 <223> Clone ID: LIB3061-103-Q1-N6-A7
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 cagtatagac agttgggtga atggaagaaa ttgttggtgc tgaaagtagg gggaaaaggt 480
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<210> 8546
 <211> 480
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A8

<400> 8546

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agggggcccc caaaaagggg gggggggctc ccgaagagg ggggttttaa aaaaaaagg 300
ggggtgggga aaaaaatttt ttgttttggg gagggggcgc caaaaagggg gacccccggg 360
ggggggaaaa aaaaaattgg ggccgttgtt gggggcccca aaaaaattca caaaaaaaa 420
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<210> 8547

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-A9

<400> 8547

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gggaaaaacc caaaaatgtt ttgggggggg ggggtttttt ttgggggggg gggggggaaa 180
aacccccaaa ttgggggggg ggttgggggc ttttaaaaaa accccccccc ctttgggggg 240
ggggggggga aaaaaaaaaa aaaaaagggg gggggggggg ggcccccggg gggatttttg 300
gggggttaaa aagggggggg ggaaaagagg ttttaaaggg gggggccccc gcccttaaaa 360
aaaaaaaaaa atttttttta aaaggggcc 389

<210> 8548

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B1

<400> 8548

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 ctgctaggtt tgtcaaagca agttggttga atggcagcaa ttgttgctgt tgtaagaggg 180
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 gttggttgaa tggaagaaac tgctgttgct gagagtaggc agcaaggttt gctagcacia 480
 gttgtttagt ttgttggtcc ctgatgtttt gtgccaataa atgcaccaa ggtaactgct 540
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<210> 8549

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B10

<400> 8549

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 ttttttaaaa aaaatatttt ttttaagggg ggacaccccc ggcagaacct taggggcatg 180
 gatttggttt ttttaaggcca aaaattcccg aaatttgttg gtttttttgg gccgcaaaca 240
 accccgaaac ctggcctttt ttgggttttt tttaaaggat ggattggaga accaacccaa 300
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<210> 8550

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B11

<400> 8550

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tgccagcggtt aggcgcagcg tgctggtaga acggcaacaa ctgtgggttgt gtcaagaagg 240
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gtagctggct gaatggtagt tggtgttggtt gcaaataaga agcagagttc aatgcagcta 420
gttggttgaa tggaagaaac tgctgttgct gagagtaggc agcaagggtt gctagcacia 480
gttggtttag ttgttggtcc ctgatgtttt gtgccaataa atgcacaaaa ggtaactgct 540
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<210> 8551

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B12

<400> 8551

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aagaggaaag ggaccataga gcgggggcaa agccataaaga ggggggttgc cggagaaaaa 180
cctgaggggg ggggggatga caaaggaccc cgggggggtg ggggggcaa gaaaaaaaaa 240
cggaataaag acccccgccc gaccaacggg gaccgcgcac gcccccccca gaacaacaac 300
tgggaaaccc cgggacccca ggggaccaa acatgaaaaa gagcagaccg ggagaccacc 360
ccccgaaaa agccccaaa aggggcaacc cacggggacc ccccccccg aaagacaacg 420
ccgggggagg atttttgccc ccaaacaagg agaaaaaac cttcttcccc ggcatcaggg 480
ggttcccccc ccccccaa 498

<210> 8552

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B2

<400> 8552

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caatgatgtg ttgttggttag gaggtgctg ggtttgtaa agcaagttgg acaaagggca 180
acaattgttg tagttgtaag aggggtgctg ggtagccgc aaactgctgg tagaaaggca 240
gcaactgttg ctgtgtcaag aaggaagcac ggcttgctgc agctagctgg ctaaattgta 300
gtaatatattg ctgctgcaaa taagcagcga ggttcagtgc ggccaattgg ttaaattgga 360
gaagttgttg ttgatgagag taggcagtag ctagctggct gaattgtaat agttgttgct 420
gcaaataagc agcagggttc agtgtagata gttgggtgaa tggaagaaat tgttggtgct 480
gatagtaggg agaaagggtt gccagagcta cttgggtgat cacaggtagc acgagttgct 540
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<210> 8553

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-B3

<400> 8553

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gagagggcac cagacgacgc aggcacatcg gcagcttaaa cgacccatga cttactgacc 180
accacggaga cggagcaciaa ggtggagggt gctctccttt tggatgttgt agtctgctag 240
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gccctccttg tcctggatct tcgccttcac attgtcgatg gtgtccgagc tctcaacctc 360
cagggttatg gttttccag tcagggtctt cacaagatc tgcataccac cctgaggcg 420
gagaacaagg tgaaagggtg nctctccttc tgggaatgtt gtagtccgcg aagaggtgcg 480
gccattcctc cagcctgctt ggcccgcga agatcaagac gctttgctgg tctggggggg 540
aatgcccctc cttgt 555

<210> 8554
 <211> 541
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-B5

<400> 8554

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aactttatta ttgaattaca actaataagc aatctaaaag agggcaccac caatgatgtg 180
ttgttggttag gaggctgctg ggtttgtcaa agcaagttgg acaaagggca acaattgttg 240
tagttgtaag agggttgcgg ggtagccgc aaactgctgg tagaaaggca gcaactgttg 300
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ttgatgagag taggcagtag ctagctggct gaattggaat agttgttgct gcaanataag 480
cagcaggggt cagtgtagat agttggttga atggaagaaa ttgttggtgc tgatagtagg 540
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<210> 8555
 <211> 560
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B7

<400> 8555

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ggagtctgga gtctggacta gcaagcaacc gagatcgatg catgatacag agatagattc 180
atcggtttgc atgagcatgg cttgttgcca gccactatgt tacacccacc acgcatgtac 240
aaagttctgt atcgctcgat cgcctccgcc tgatgatgat cgatcagtgc agcgccgtca 300
ggacagtaga cccttcacc accttgaaag tggcaccgca gatctcttct tcgtcggcgg 360
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agtagaagca gccttgcggg aacggcgcgga gcgacttgcc gcatgagcct ttgagcatgt 480
cgatgtcgtc ggagaaggcg acgcagccgt cgggcgtgat cccccagaag acggcaccct 540
gcccttgggg tcagatgcga 560

<210> 8556
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-B8

<400> 8556

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gccggggcaa aaacaggggc cggaggcgta acgggggaaa aagggggggc cctaaaaagg 180
gccccaaaaa aaacaaacgg ggaggaaaaa agggaaagcc tggggggcca aaaaggggac 240
ccaccccaaca ataaagggat tgggccaacc gccgggtaaa gagggggaaa acctgggggg 300
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ggggggggtt tattttcacc agggggacgg gcaagatttg ccgccccta aaaaaatggc 420
cctgaggggg tggaacggg gggtcacccc gggggggggc caagggggga aa 472

<210> 8557
<211> 524
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C1

<400> 8557

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<210> 8558

<211> 560

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-C10

<400> 8558

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<210> 8559

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C11

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<210> 8560

<211> 569

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C12

<400> 8560

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<210> 8561

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C4

<400> 8561

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accgggaacc gggccgccg 559

<210> 8562
<211> 558
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-N6-C5
<400> 8562

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gcaggtcggt gatgatgt 558

<210> 8563
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C7

<400> 8563

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<210> 8564

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-C9

<400> 8564

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ccggggtgaa cacagcacta acaacgggca cagggggggc cttaatcaaa aaccagggg 180
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ccccgcgcgc caccaccgta gcccccgcca ccccgaggc ccccccgcc attacggggc 420
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<210> 8565

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D1

<400> 8565

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<210> 8566

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D10

<400> 8566

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aaggaggctg ctgggggtgg caaccccgat ggtcaaaggg cggcaggagg ccgatcggtc 180
atgaggaagc aagggggacc acaggactga ttggttaaag gcagcaaattg gtggtggggc 240
aagaagaaaa acggttgtgc taaaggcagc aacggttaat ggtggcaata atgagatgct 300
gctaattagc agctaggttg ctaaacggca ataggattta atgatagaaa taatcgtcgg 360
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<210> 8567

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D11

<400> 8567

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cgggaaaaag gtaggggcat ggggtcgggt ttttaaggcc caaaatgcc cgaagggtgt 240
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tggcccgggg gacccaaccc aaaaaccccg gggcccgggg gtgggggtcc ccccggtga 360
ggggggggga aaacttgtgc caaaaaaact gggttttggg ggaacaatgg ggggttcccc 420
cgggggttca ctgatgcccc aaaa 444

<210> 8568

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D5

<400> 8568

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gggtctccct aagttcatgg catgatacgc ggcattgcaga gcataaatct accatgatcc 180
cacagcgccc tgggctgggt tttcgaaggg agtgaagccc cagtaggtct tcaaggaata 240
tggggggtag atgggtgatc cttcacttgg gatcttggca atctggaatt tgttgataga 300
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<210> 8569

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-D6

<400> 8569

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 ttgctgcctc nacagagggg ggggggggga gagaactggg tgtatggcag caattgttgc 180
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 ggctgttgtc ggtacgcac agagtctgac agagtcagtt ggtctgaatg gaagcatgtg 300
 ttgtgagtga gaaacagggg ttgccacagt tacgcagagt cataagctgg cacaatctgt 360
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 atgaccggtt 430

<210> 8570
 <211> 318
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-D7
 <400> 8570

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 caaacggaac ctataaaaga ggactaacat tacatgattt ctccctaaca tttgcatgaa 180
 acaattttgc agaccacac acaaatttgc atccatctct tattggctct ccatctgtac 240
 acgcttgctt atgtgcgcac gacgtaacac catctgagct cacaaataga aactaaaaat 300
 cccatctttt cttaacat 318

<210> 8571
 <211> 131
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-D8
 <400> 8571

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 gggggggccc atgggggtgc gggacaaaat attaccaaaa catggggggg aaaagacca 120
 accggccccg g 131

<210> 8572

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-D9

<400> 8572

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atggtggagc ggtttttaa aaccgggggg ttggcaaaaa aaaaaagggg ggggcgcccc 180
cacatttgtg ggggggaaaa aggggccccg gtttggcaca acagggttgg aaaaaggcaa 240
caacgggttt tgtttcaaaa agaggaccgg acaacacacc aaccgggggt ataaagaaaa 300
aaaattgtgg tggctaaaaa aagaggggag gcacaccctt cttgttgggg gaaatgaaaa 360
aaatcttttg gcggacccaa gggg 384

<210> 8573

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E10

<400> 8573

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agaacactgt tgagtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agagggtgcc agcgtaggc atagcgtgca ggtagaacgg caacaactgt tgttgtgtca 240
agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagc agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaactag ctggctgaat ggtaattgtt gttgcaaata agcagcagag ttcaatgcag 420
ccagttgggt gaatggaaga aactgatgtt gctgagagta tgcagcaagg tttgctagca 480
caagttgttg tagttgttgt gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctgacggt tggtg 565

<210> 8574

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E11

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ggcggagggt tttggggggc ccccaaaaaa tgaggaaaaa aagttagtca gaaactgctg 120

gcaaaacgga agcaaaaggg ggggccccca aaaggggggg gggggggaaa aaccaggggg 180

gctaaaaaaa aaaggggggg gtgaggga aaatcggggg ggccaaaaaa gggcaaaagg 240

gttaccctaaa taaggggggg aaaaggggaa aaattgttgc ttgccgaaaa gaagttaaat 300

tttccccccc cctgggggga aaaaggggaa aaaagtgtgg tctgtaaaaa aaaaaaaaaa 360

ttttgcccaa cctgaaaaaa ggaagaaaaa aaaccctttg ctacaaaaaa aagcaatggg 420

gccccacaaa ggggggaaaa 440

<210> 8575

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E12

<400> 8575

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aactataact cataagcaat ctaaaagggg caccaccaat gatgggttgt tggtagaaca 120

ctgttggggt tgtcaaagca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180

tgccagcggt aggcatagcg tgcaggtaga acggcaacaa ctgttgttgt gtcaagaagg 240

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<210> 8576

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-E3

<400> 8576

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gtctatatag tctacattac gcagacccgc cgcggcaaca cagatacgg cgatcaagtg 180
aagaccctcc cggcgccggc ggtagtactc gccggcaaatt cgacctcacg gatctcggtc 240
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tacgcccggg tctccctctc cttctggaag gagacaccga acttcttctc cacacagtca 360
gcgaggctct gccgaagctg gccctcgcg gtgagcacca tcatgatctg cgggaggccg 420
agcgggaacg cgtcgccgcg gtccacctgc cagaagtgga tgggtcttgcc gtaggtcttg 480
cacaccttct ccagggtccc gcgctccacc acgcggggca ccncggcat gaacagcacc 540
ccgccccttca cctcg 555

<210> 8577

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E4

<400> 8577

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gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
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gcaggagagt tcaatgctgt cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
gatagctggc tgaatggtag ttgttggttg tgcaaataag aagcagagtt caatgcagct 420
agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
agttgttgta gttgttgctg ccttgatgtt tgtgccaata aatgcaccaa aggtaactgc 540
tgtaata 547

<210> 8578
<211> 523
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E5

<400> 8578

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gaaccgaaca gaagcaaggt ttctacaagc agagacacag aggaaaggcc caacaacgtg 180
gacgacgaca acgggagatc aagccctctc gcccctgatg cggcgcgcgga gctggatgtc 240
cttgggcatg atggtgaccc ccttggcgtg gatggcgcaa aggttggtgt cctcgaagag 300
ccccacgagg taggcctcgg gggcctcctg cagcgcgggc acagcggagg actggaagcg 360
gaggtcggtc ttgaaatcct gcgcgatctc acggacgaag cgctggaagg gcaccttgcg 420
gatgagcagc tccgggctct tttggtactt gcgaatctcc cggagcgcgga cggtgccggg 480
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<210> 8579
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E7

<400> 8579

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gggggggggt ttttaaaaaa aagggggaaa aaggggaaca actggggcag ttgaaaaagg 180
ggtggggggg taaccaaaaa ctggggggaa aaaggaaaca ctttttggtg ggtaaaaaaa 240
gaaagggggc tttttgtaac tacctggcca aaagggaata atatttgggg ggggaaaaaa 300
aaaaaggggg taaggggggc caattggtta aaaggaaaaa aatttttttt tttaaaatag 360
gcaaaacctc cctgggtaaa agggaaaaat tgtgggtggt gcaaataaac agcaggggta 420
aaaaataaaa aagggggtga aaggaaaaaa tttttttt 458

<210> 8580
 <211> 507
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-E8

<400> 8580

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gtgggggggg ggctttttga atggcccca ttgctgcagt tgtaagaggg tgccagcggt 180
aggcgcaccg cgctggtaga accgcaacaa ctgtggttgt gtcaagaagg tagcagggct 240
cacaccagct agctggctga atgggtactag ttggtgctcc tgtaaatac caagagagtt 300
caatgctgtc acttggttga atggaagaaa ttgctggggg taggcaacan atagctcgct 360
gaatggtacc tgcagctgct gcaaataaga agcagaattc aaagcaacta gtcgccctga 420
aaggaagaaa ctgctcctgc tgagagtggg cagcaaagtt tgccagcaca agttgtagaa 480
cttgttgtgc cctcgtgttt tgtgccca 507

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<210> 8581
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-E9

<400> 8581

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acagcacata gtttcttcag ggggggacac cgccggcagc agcgtagggg catggagtcg 180
gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
cgacctggcc gctttgcggc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
cctggtaccg gtgctgcggc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360
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<210> 8582

<211> 480
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-F1
 <400> 8582

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 aaaccctgc tgggttggtc aaaccaggtt gggtgattgg caccatttgt tgcagttgtā 180
 aaagggctcc accgttaggc ccaccgtcct ggtaaaccgg caccacctgg gggtgtttca 240
 .aaaaggtacc aggcttaacc ccacctacct ggctgaatgg tagtagttgt tgctgctgaa 300
 aataaccagg aaagtccaat gctgccagtt gggttaaagg aaaaaattgc tgggggtagg 360
 caccaggtac ctgcctaaat ggaacttggt gttgttgcaa ataaaaacca aagttcaatg 420
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<210> 8583
 <211> 548
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-N6-F10
 <400> 8583

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 gaacactgtt gggtttgta aagcaagttg gttgaatggc agcaattgtt gcagttgtā 180
 gaggggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactgtt gttgtgtcaa 240
 gaaggcagca gggctcacat cagctagctg gctgaatggg agtagttgtt gctgctgtā 300
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 cagttgggtg aatggaagaa actgatgttg ctgagagtat gcagcaaggt ttgctagcac 480
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<210> 8584
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F12

<400> 8584

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 cccccctcc cttgggggt ttgaaaaaa ggtttttccc aaaaaggccc ccccccaaa 180
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 ggggggggga aaacccgaaa aaaaattggg ctttttttaa cccaaaacag ggggggaaaa 300
 accccccggg ggggaaggac cccccaaaa accccaaaaa tccccgggg gggggtaaaa 360
 aaccctta aaccccccg gtttttaaaa acaaagggg ggaaaaaaaa aggggggggg 420
 gg 422

<210> 8585
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F2

<400> 8585

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<210> 8586
 <211> 556
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F3

<400> 8586

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aatgctgctg gggtggggga agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
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acaagttggt gtagttgttg tgccctgatg ttttgtgcca ataatgcac caaaggtaac 540
tgctgtaata gggctg 556

<210> 8587

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F4

<400> 8587

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caattgttgc agttgtaaga ggggtccaac gttaggcgca gtgtgcaggt agaacggcaa 180
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gccacaatat gcaccaaagg taactgctgt tgctggagag taggcagcaa ggtttgctag 540
cacgaattgt tgtaagttgt tgtgcc 566

<210> 8588
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F5

<400> 8588

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aatagggctg acggttgttg 560
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<210> 8589
<211> 481
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F6

<400> 8589

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gccaccccaa acgcgggttt tggctctaaa ccccgggggc ctaatttgtt atcgccaata 420
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taaccgcggt atggcaagcc ctggtagtag gggcaccccc cgtccccgga ataggggggg 480
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<210> 8590

<211> 521

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F7

<400> 8590

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tctcgtatct gctgggctcg ctgacgacga tctcactctg ctcttgctcg ttgttgctct 480
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<210> 8591

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-F8

<400> 8591

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ttttggtttc cacccaataa acaaattaaa agggggggccc cccaattttt ttttttgggg 240
ggggggcccc tggtttttta aaaaaaaggg ggaaaaaggg gaaaaattgt tggtttttaa 300
aaaggggggg ggggttacct caaaaatgtt ttgaaaaagg gaaaaacttt tgtttggtaa 360

aaaaaaaa accaattggt gaaattggcc ccataaaagg gaggtgtttt tgggtggtgaa 420
 aaaaaaaagg ggggggttaag gggggccaatt ggtaaaaaaa aaaaaatttt ttttttttaa 480
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<210> 8592

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G1

<400> 8592

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 gctgttggtt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca attgtggttg tgtcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaaagctgt cagttggttg aatggaagaa attgctgggg gtaggcagca 360
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<210> 8593

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G10

<400> 8593

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<210> 8594

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 8595

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G12

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 aaaaaggggg gggggaagag cccaagttg ggggaatgaa agggggggcc cggggaggaa 240

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<210> 8596

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G3

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 ctgctgggtt tgtcaaagca agttggttga atggcagcaa ttgttgctgt tgtaagaggg 180
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<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G5

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<210> 8598

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G6

<400> 8598

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<210> 8599

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-G8

<400> 8599

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 aatgcangct agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt 480
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<210> 8600

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-G9

<400> 8600

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<210> 8601

<211> 57

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-N6-H1

<400> 8601

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<210> 8602
 <211> 561
 <212> DNA
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 <400> 8602

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 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-N6-H12

 <400> 8603

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<210> 8604

<211> 510

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H4

<400> 8604

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<210> 8605

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H6

<400> 8605

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<210> 8606

<211> 569

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H7

<400> 8606

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<210> 8607

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-N6-H8

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<210> 8608

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A3

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<210> 8609

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A8

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<210> 8610

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B1

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<210> 8611

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B10

<400> 8611

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cagtctcagt acaaaaacga cttagtggcc gtcaagcatg cagatgacgg ttcaggagtc 540

aagtatgcag aagacaagcg tgcagatgac gggttcagaaa taggtgctgc cctgattgca 600

gcctcgcaat ctcagtagag agatgtcctg agtggtatag aggtagcaag tagctatg 658

<210> 8612

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<212> DNA

<213> Zea mays

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<210> 8613

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B5

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<210> 8614

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B6

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<210> 8615

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B7

<400> 8615

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<210> 8616

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C12

<400> 8616

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<210> 8617

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C2

<400> 8617

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cagctctgac tcagctagct gtggcaaacc ctgctgccta cttacaacag ttgc 654

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<212> DNA

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<223> Clone ID: LIB3061-104-Q1-K6-C4

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<210> 8619

<211> 674

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C7

<400> 8619

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atggttccaa agtttggcac cgaagtgcc aggtttgcaa ctattcatcg gagcccat 180
gccacatact gaggccaaat actaggagcc tggtttctgg tctgagccct tcaactgaat 240
acttcttcaa ggttttgct tttagcagcg tacaggggtt tactgagtgg gaggcaaat 300
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acgaaagcca gttgccgcca acttctgaag ttttaccgtt tgcaagctcc aactactctc 600
cttccgaagc tccaagtaaa cctgacttgc ttattggcac cccagattcg gcctccaaga 660
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<210> 8620

<211> 75

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C8

<400> 8620

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gagcgacaac atatg 75

<210> 8621

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D3

<400> 8621

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aaaaaggggg gggggaaaaa aatttggggg gggggttttg gggggcccca ttttttttcg 240
gggggggggg ggggttttgt ttttttttgg gggggccgca ttttaattct gggggggggg 300
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gcccccttt tgccgggggg ggggtttagg ggggggggcc cccctttttt ctttttcaaa 420
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gggggggggg 490

<210> 8622
 <211> 657
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D5

<400> 8622

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tgcacgcggc atggcctatg tccatggcct tgggttcatt cacagagatc ttaagtcgga 180
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<210> 8623
 <211> 624
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-D6

<400> 8623

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cggaacaaac aaacacaccc ttaccggagt ttctcccttt tctcattcct tttttccatt 360
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cgtcttttggg tagatacatg ttgaggagat ggggaaagtg cgggtccgaaa gtatgttagg 420
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<210> 8624

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D7

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<210> 8625

<211> 539

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D8

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 agcaacaaca acttcttcca ttttaaccaat tggccgcact gaaccccgct gcttatttgc 240
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<210> 8626

<211> 666

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-E4

<400> 8626

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 aattgc 666

<210> 8627

<211> 690
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E6

<400> 8627

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agaagcgttc gacaaggta atccaaggtt gggcttcaac gtcgagctga aatttgacga 660
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<210> 8628
<211> 611
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E9

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ctcacttgct cctagtgcga ttattccaca gttcctccca ccagttactt caatgggctg 180
cgaacaccta gctgtgcaag ccaacatgca acaacaagcg cttgcggcga gcgtcttaca 240
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aactagctgt g 611

<210> 8629
<211> 665
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F1

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<210> 8630
<211> 624
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F2

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<210> 8631

<211> 660

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F3

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<210> 8632
 <211> 563
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F4

<400> 8632

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<210> 8633
 <211> 655
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F8

<400> 8633

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ctggttgatg gaaagtccac tgggttttgt gccggtggct gtgcagccat cgcagattct 600
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<210> 8634

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G10

<400> 8634

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<210> 8635

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G6

<400> 8635

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cagctgggcg atggatttat gctgtatcaa gcattgatgg ggcaatttca tgggaaaaag 180
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 ttgaattcaa gggtagaggg attagctaca acaagggtgct ggtttcagat cttgttcaag 480
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<210> 8636
 <211> 648
 <212> DNA
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 <223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-G7
 <400> 8636

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 gctttcggaa gtaaaccga tgcttggtt ccgtggctgc aggcttggtt tatcgtacgg 180
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 tggctacagc agggatgatg tggggaagtt catccccatt tatctggctc atggcatcct 540
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<210> 8637
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G8

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<210> 8638

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H1

<400> 8638

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gctcacttgc tccaagttcc attattacac agttcctccc accagttact tcaatgggct 180
tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcggcg agcgtcttac 240
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caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg gtgaaccctg 360
ccgcctactt gcaacagcag ttgcttgcat caaaccact tgccttgga aacgtagttg 420
caaaccagcc acaacaacag ctgcaacagt ttctgccagc gtcagtcaa ctagccatgg 480

tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctgctgtgg 540
ccaatgcacc tacatacctg caacaacaat tgttgcaaca gattgtacca gctctgactc 600
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ctatgtcgaa ctctga 676

<210> 8639

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H10

<400> 8639

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gtggatcgca agtttctctt ctgctactgt tgctgctacc ttgctgggtg ttattgctag 180
ggtcgaatac ttaagttaac tatgcgctga cagtctggac tagcagtgtt atgtgcgctg 240
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<210> 8640

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H2

<400> 8640

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gagtatgtga aaaccagct cttcagccct ataggtcca acaagcaatc gcagcaagca 240
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tggtacaaac catcagggca cagcagctgc agcaactcgt gctacctgtg atcaaccaag 360
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tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattc agccagctag 480
ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcaactgaacc 540
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<210> 8641

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H4

<400> 8641

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gcaacaacag cttctgcat tccatctgca agctgtggca aacattgttg ctttcttgag 480
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<210> 8642

<211> 145

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H6

<400> 8642

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cagaaataag aaagtacatt tctag

145

<210> 8643

<211> 424

<212> DNA

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<223> Clone ID: LIB3061-104-Q1-N6-A1

<400> 8643

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aaaggggggg gggggggggg ggtggggggg gggggggggg gaaaaggggg gggagggggg 180
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aaaggatggg aataaatggg gggggaaatt ggaaaaagaa aggggaggaa tggggggctc 360
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gggg 424

<210> 8644

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-N6-A10

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taaaagaggg caccacctat gatgggttgt tggtagaatg ctgggtggtg gggcaaanca 180
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<210> 8645
<211> 560
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A2

<400> 8645

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ttattcaagt tcacagaggt ctctttgaga gcacacaciaa aaaaaaatcg atcactcaac 180
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tccaacgaaa gcgaaatctt catgcggctg acggtgactc tgcccactta ttcactacct 360
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ccttggtccat aaatgattct gctagcgtac tctggtttgg tgttccacc agccagatct 540
ggtaactttt tgggcatca 560

<210> 8646
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A3

<400> 8646

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ttagtactac tagagttcag ttctggcaag ccaagggtgt ttgaagagct ttgcttagca 180
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<210> 8647

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A4

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<210> 8648

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A5

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<210> 8649

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A6

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<210> 8650

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A7

<400> 8650

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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-N6-A8
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 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-A9

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<210> 8653

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B1

<400> 8653

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<210> 8654

<211> 439

<212> DNA
 <213> Zea mays
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<210> 8655
 <211> 549
 <212> DNA
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<223> Clone ID: LIB3061-104-Q1-N6-B2
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 <212> DNA
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<223> Clone ID: LIB3061-104-Q1-N6-B4

<400> 8656

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gaccacatgg cccttggtga tgcccacgaa gaggcccgac tttggctgcg gcggcgccat  480
gaggaccaac actttcctgt gagccgg                                     507
  
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<210> 8657
 <211> 546
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B5

<400> 8657

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actctatata tctacgtaac aaagaattaa taatctctat cttgaaagaa taaaagattt  180
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gccaaaagtc ggcccttgac ttcctttagg atgatatcaa gaatggccag catctgagtc  540
  
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ttctcc

546

<210> 8658

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B6

<400> 8658

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cctacaacat tgaaggacac aaaagagcaa aaagaaagaa aaaatgcctt ggatgacact 180
tttattgtct cgatgatctc caacagactg atctgcagat cacgcatgta accaggtgct 240
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aattcgagca ttcttgtcaa tgattgtctt cctgatgcat gaatttttcc caataccaat 480
aggaatgcc a cttttttcgg caaggagttt tttatcagct tctgtctcat agtagtccgc 540
accattagt aaactgtcct ctatgatagc acct 574

<210> 8659

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B7

<400> 8659

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tctcgtagca gtgctgcctc gccagcgaga ggatgctgtg tgtccgccgc gatgaagtac 180
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gcccattgga gcatcctgac gctagccagg gtgggaactg cagaggcgac ggtcgcgaca 300
gctgctgcct tgaaccctgc gagggcgcc tctcgcgagc attgcttggc gagctcaagg 360

ttctggtcga gggacgcgga gtacacggtg gacggcatgg tgatccgaat ccgatccctg 420
gagagagcta gctttgtcgc tctcag 446

<210> 8660
<211> 518
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-B8
<400> 8660

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cgaaagaagg caaccctaac ggaacccttt aaggcacaac tggctaggca ctacagggac 180
ccacaagaaa atccccctat agccaagtta aggggccaca gctgctaata aaaaaccagg 240
aaccctagcc aagtcgcctt ttccttctaa aagggtccga agttttggta tataattgcc 300
acagcgagca atataccagc tctgaacca atgggaccca taaaatcagc caggacggtc 360
aatgcgcca tgcatacacc accaaatgca ccggcagcgg ggaatgaata ggctaagttc 420
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accaacatcc ttgctgata aaccagaaac ttcaatcc 518

<210> 8661
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C10
<400> 8661

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gggggggggc gctgggtttt tctcctctgg ggggcgcagg ggggaaaaat gggggtgttt 180
gtaggggggg ggggggttcc cccccctt ttttgggaaa ggggcaaat ggggtttgtt 240
cttagaagga aaaa 254

<210> 8662
 <211> 479
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C11

<400> 8662

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accttttttag ggacaccccg tccccccggt ggggggtgtg gggggccaac attggaatta  180
agggccgccc cgatcatgg tggggcgggg cattgatcag ggcccggcgt cgtcgttggc  240
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cgggtggtttg gttttatcct tgggtccaag cttttggatg gggggggtca cagggggggg  360
gggggcagcc ccctcgaagg gcgccttgga gatcctgtcc cacttttga cctggttccc  420
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<210> 8663
 <211> 589
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C12

<400> 8663

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ttgttggttag aacactgttg agtttgtaa gagcgggggg gttgaatggc agcaattggt  180
gcagttgtaa gagggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactggt  240
gttggtgtaa gaaggcagca gggctcacat cagctagctg gctgaatggt agtagttggt  300
gctgctgtaa ataagcagca gagttcaatg ctgctagttg gttgaatgga agaaattgct  360
gggggtaggc agcaactagc tggctgaatg gtaattgttg ttgcaaataa gcagcagagt  420
tcaatgcagc cagttgggtg aatggaagaa actgatgttg ctgagagtat gcagcaagg  480
ttgctagcac aagttgttgt agttgttgtg ccctgatggt ttgtgccacc aaatggacca  540
aaggtaactg ctgtaatagg gctgacggtt gttggaggaa caaggcgga  589

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<210> 8664
<211> 562
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C2

<400> 8664

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gctgcaaggc agggttcatc aaagagaact ggttgtagtg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtagcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag tttgacacag ccagttgggtt gaatggaagc aactgttgta 300
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actgttggtg taggtacgta ggtgcattgc ccaccgagc cgggctagat gaaagtagtt 420
gtaggtagac ggcagggttc accatggcta gttgactgag cactggcata aactgttgca 480
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gctgctggtg caagtaggtg ac 562

<210> 8665
<211> 92
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C3

<400> 8665

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<210> 8666
<211> 581
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C4

<400> 8666

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 gatgggttgt tggtagaatg ctgctggggg gggggaggca agttggttga atggcagcaa 180
 ttgttgcagt tgtaagaggg tgccagcggt aggcgcagcg tgctggtaga acggcaacaa 240
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 ttgctggggg taggcagcag atagctggct gaatggtagt tgttgttgtt gcaaataaga 420
 agcagagttc aatgcagcta gttggttgaa tggaagaaac tgctgttgct gagagtaggc 480
 agcaaggttt gctagcacia gttgtttagt ttgttgtgcc ctgatgtttt gggccaataa 540
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<210> 8667

<211> 554

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C5

<400> 8667

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 tgcactgcat gccccagac acaagcatgc acacacaaag cacaacacat aaacgactag 180
 ctagagctat cgcggcgacc gagactctac ggcagcgtag gtagcagcag ccaccgcctt 240
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 gagtgtggtt cttctctcaa gaccctgcg cctggctgat gcggtgctgt gctgcatcct 360
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<210> 8668

<211> 398

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-C6
 <400> 8668

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 cccccccct ttgagtagct tgttgaaacc cccaaacccc ccaggggggg gggggggccc 240
 cccccggatt atggattgaa ccccttttta aaattcttgg ggaaagtatt tgggctcaat 300
 ttgcccaaaa aataacaaca cttttggtgc aaaacccggc aagtactttg ttttttcaaa 360
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<210> 8669
 <211> 534
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-C7
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 ttgaaaccgg agctcagaac ccgttcatga ttaccagcac atggttccac catgattgtc 180
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 gacctgaatg ccaaattggag catctacagc atcttataac ctttaagaga gtgcacaata 300
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<210> 8670
 <211> 574
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-C9

<400> 8670

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gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta gcacaagttg 480
ttgtagttgt tgtgccctga tgttttgtgc caacaaatgc accaaaggta actgctgtaa 540
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<210> 8671

<211> 553

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-N6-D1

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553

<210> 8672

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D10

<400> 8672

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acagcgatgt gggaggtgtg gcagtccagc acaggggcat agccgttgcc aatctgcccc 540
gggtggttca tgatgatgac 560

<210> 8673

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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tggccaaacc gccccgggc ccgggggacc aaaaaaaccc ggggggggga aaggacaaaa 240
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ggcccccaaa ccttgggggg gggggggaaa aacccaaaaa agggaagggg gggccccccc 480
ttaaagccc cgcacggtca aaaaaacccc ttggaatatt aaagggcccc aaaaaaaac 540
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<210> 8674

<211> 562

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D12

<400> 8674

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<210> 8675

<211> 67

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D3

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ggggggg 67

<210> 8676
 <211> 353
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D5

<400> 8676

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 tgtactctac ggggacatgt caaagacaga aggcagactg aggagtcagc tccctgcttt 240
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<210> 8677
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-D7

<400> 8677

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<210> 8678
 <211> 539

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-D8
 <400> 8678

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<210> 8679
 <211> 507
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-D9
 <400> 8679

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<210> 8680
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E1

<400> 8680

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<210> 8681
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E10

<400> 8681

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atgggttgct gcaaggcagg ggtcatcaaa gagaactggg tgtatggcag caattgttgt 180
tgctgctgca ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt 240
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agtagttgta ggtagacggc agggttcacc atggctagtt gactgagcac tggcataaac 480
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<210> 8682
 <211> 572
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-E11

<400> 8682

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 nnnngctgcca caacaagggg gggggggagca aagagaactg gttgtatggc agcaattggt 180
 gctgctgtag gaaggcaacg accaatgggt tagccaccgc tagtggatat agtaactggt 240
 gtcgctgttg taggtacgca gcagagttcg acaeagtcag ttgggttgaat ggaagcagct 300
 gttgcaagta ggcagcaggg tttgccacag ctagctgagt cagagctggg acaatctgtt 360
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 tcagttgttg ctgtttagg taggcggcag gggtcaccat ggctagttga ctgagcgtg 480
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<210> 8683
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E12

<400> 8683

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 gttggacaaa gggcaacaat tggtgtagtt gtaagagggt tgcgggggta gccgcaaact 180
 gcttgtagaa aggcagcaac tggtgctgtg tcaagaagga agcacgactt gctgcagcta 240
 gctcgctaaa tggcagtagt atttgctgct gcaaataagc agcgggggttc agtgcgccca 300
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 gtaatagttg ttgctgcaaa taagcagcag gggttcagt 398

<210> 8684
 <211> 554
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E4

<400> 8684

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tagaacgctg ttgggtttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt  180
aagaggggtg cagcgttagg cgcagcgtgc aggtagaacg gcaacaactg ttgttgtgtc  240
aagaaggcaa cagggctcac atcagctagc tggctgaatg gtggtagctg ttgctgttgt  300
aaataagcag cagagttcaa tgctgccagt tggttgaatg gaagaaattg ctgggggtag  360
gcagcagcta gctgactgaa tggtagttgt tgttgcaa at aagcagcaga gttcaatgca  420
gccagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag gtttcctagc  480
acaagttggt gtagttgttg tgccttgatg ttttgtgcca acaaatgcac caaaggtaac  540
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<210> 8685
 <211> 571
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-E5

<400> 8685

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gtagaacgct gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg  180
taagaggggt ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttgtat  240
caagaaggta gcagggtca caccagctag ctggctgaat ggtagtagtt gttgctgctg  300
taaataagca ggagagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta  360
ggcagcaggt agctggctga atggtagttg ttgttgttgc aaataagaag cagagttcaa  420
  
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tgcagcntag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
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aaggtaacct gatgtaatag ggctgatgat t 571

<210> 8686
<211> 559
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-N6-E6

<400> 8686

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atcagtacat cagtaacaca ttagtcaatt catccatgat agacagacag aacaccagga 180
agtctaggca ttattggaca agctcaggaa taagcctcag caggaacgag atctcgcgct 240
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ccaggtcggg ctcgggcagg ggcagggcga tgagctcaga gactgcctcg gtgatctccg 360
gcaccaggtc gacgatgacc ccgttcactc ccatgagggtg ctgcatgtaa accgcctccg 420
gcacgttggt caatgttcca taggttagca gggagagggt agcttccctt gatctttggc 480
acggcgngcg gggtgccctg aagatcccgc gggcttctga aactattcct tgcaggccac 540
cggcaaggca cagcttgac 559

<210> 8687
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E7

<400> 8687

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atagcttgtc agoccattgc atatttctga gtccagctcc tagcagtcga ttcgtacttc 180

acgcgatcag tcttgtacaa gtgagcaatc tctgggacca acggatcgtc agggtttggg 240
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tgctccttca agatatcaag acagatgctc ccgttgctgt tgatattcgg atggtaaacc 360
ttcgtcttga atgcaacott cggtgggttg aatgggtagt ccggtggaaa gtgaatagt 420
acaaaaaac gccaccagcg tatgggctat ctgatggccc cataatcgtc gcctgccagt 480
agaacatatc ttcggcaaca gggcctgcgc tgcaagaggt ggggaaggat ccttctgcag 540
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<210> 8688

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-E9

<400> 8688

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ctgcctcgac aagacaggat tcatcaaaga gaactgggtg tatggcagca attgttgctg 180
ctgtaggaag gcggcgacca atgggttagc cactaccaat ggattaagta actgttgctg 240
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ttgttggtgt tgtacgtagg cggcagggtt caccatggct agttgactga gcgttggcag 480
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<210> 8689

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F1

<400> 8689

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ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgct agcacaagtt 480
gttgtagttg ttgtgccctg atgttttgtg ccaccaaagtg gaccaaaggt aactgctgta 540
atagggtgta cggttggttg aggaacaagg gtgataa 577

<210> 8690
<211> 512
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F11

<400> 8690

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ctagctagct agccagcggc tatactacag cgcagggggg gttcagtggg ggacaccgcc 180
ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
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cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctgccaac 480
gccgcaggtt ccctgcagct ggcacgggct tg 512

<210> 8691
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F2

<400> 8691

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cctttggtgt gggggggcctt cttgggtgcc ttttctcttt ttttgtcgtg ggggg 115

<210> 8692

<211> 572

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F3

<400> 8692

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ccctgcgcct gcgcgtccac cgttggactc gtgcacacca tcatcgaagg caagaccggg 300
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gtgaggaact gcatgatcca ggatctctcc tggaagggcc ctgccaagaa ctgggagAAC 480
gtgctgctca gcctcggggg cgccggcgcc gagccagggg tcgaaggcga gggagatcgc 540
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<210> 8693

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F4

<400> 8693

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tggcagcagt agcggcagcg gcagtagttt gatttttaac gagcgcaacg atcctcgtcg 180
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cagcccactc gaaggccgcc ttggagatcc tgtcccactt ttgcacctgc ttcccctgcg 300
 tcacgggtcaa ggtcaccccg tgctggctgt tgaaccccg gcaccacgtg cgggacacgg 360
 tgttgaaccg cagccccttg cacaccatga ccaccagctt caccagcttg ctctttgtgt 420
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<210> 8694

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F6

<400> 8694

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 tgaactgtag ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 180
 acactgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 240
 ggggtgccagc gttaggcgca acgtgctggt agaacggcaa caactgtggt tgtgtcaaga 300
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<210> 8695

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F7

<400> 8695

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 aggatgaaca cagcactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
 caacaacaaa cagcagacga acgaagataa acactctgga ctagggtaaa caacacggta 240
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gccaccgccg tagccgccgc ctccacggcc accaccgtac ccgccgccgc cgccgcctcc 480
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<210> 8696

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-F8

<400> 8696

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 tcggaaagca tgactaaaca tgtagtagca tatatacaca catcgccggg cgcataaaca 180
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 gaacttcttg cctccaatgg tgaacgcaat gtcaggcatg gacgcaagac tgccacagtc 480
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<210> 8697

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G1

<400> 8697

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 caacaactgt gggtgtatca agaaggtagc agggctcaca ccagctagct ggctgaatgg 240
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aagaaattgc tgggggtagg cagcaggtag ctggctgaat ggtagttggt gttgttgcaa 360
 ataagaagca gagttcaatg cagctagttg gttgaatgga agaaactgct gttgctgaga 420
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<210> 8698

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-N6-G10

<400> 8698

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 tacacagccg acgacattgc agtttcagca gcgcgagtc ctcgacgccc tcggtggatc 180
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<210> 8699

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G11

<400> 8699

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 aaatagttgg ttgaatggaa aaaattggtg ttgctgatag tagggagaaa aggtttgcc 480
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<210> 8700

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G2

<400> 8700

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 ctgctgggtt tgtcaaagca agttggttga atggcagcaa ttggtgcagt tgtaagaggg 180
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 attggttgaa tggaaaaaac tgctgttgct gagagtaggc atcaaggttt gttagcacia 480
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<210> 8701

<211> 527

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G4

<400> 8701

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 acccaaatac catatacaaa catgtatata tctcatgccc ttaacacttc cacgtcggtt 180

tggctggagc aaactacagg cttggcttgc agttgatcaa cgcacaaaga cgtttttcat 240
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<210> 8702

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G5

<400> 8702

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 ggaaaacccg gggggcccat agggggggcc caccctaaat aattgggggg gggccaaggc 480
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<210> 8703

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G6

<400> 8703

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 ccattgcttt tactgaatgg gggaaaaagt atgactggga ttttactgcc acctcagggc 180
 gggcgtatga tgtaattggt gctgaaagat tatgcttccc aagtatgagc ttcattgacat 240
 ctttattgtc cgccctagat tgatcatata tctcaatcac cgctatttca aatctgtgag 300
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 cttgtgcacc atgatgagtt acacgatgaa gtatgctgcc agtgactgca tcaataagat 420
 atgcaacaag tgaagcttct tcaggtagca cagatccaat atcaccagca gctttaggag 480
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<210> 8704

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G7

<400> 8704

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 gggcgtggta gttttattaa tcaccagatg caccaacagc aggcgatccg gctgccaacg 180
 agcagaggcc ccctcagaca agcacctgag ctgcagctag cctagcgatc gggaccctga 240
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 ctccaccatg ttctccacaa atgccacact tcaagttagg cctagctttg cggccccctt 360
 ctgtagcaag cttaaccagc tcgcccactc ctttttggtc gagaacctcg aaggggtcat 420
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<210> 8705

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-G8

<400> 8705

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agtttcttca gtgggggaca ccgccggcag cagcgtaggg gcatggagtc ggctgctgca 180
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ggcccaggat cggggtgctg ccaacgccgc aggttccctg cagctggcac gggcttggat 480
gcggctgttg gcacgggcat ggggtgtggct ggggatgagg ctgaggccgg ggcggttgag 540
tagggtagtg gcatggtggc 560

<210> 8706

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H1

<400> 8706

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ggaatgaggg caccattatc gagtacatct catatgtaat ctaaaagagg cacctccaac 120
gatgggttgc tgccctgaca agacagggtt tatcaaagag aactggttgt atggcagcaa 180
ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc actgctagtg gattaagtaa 240
ctgttgctgc tgttgtaggt acgcagcaga gttcgacata gtcagttggt tgaatggaag 300
cagctgttgc aagtaggcag cagggtttgc cacaactagc tgagtcagag ctggtacaat 360
ctgttgcaac aattgttgtt gcaggtatgt aggtgcattg gccacagcga gcgggctaga 420
tgaaagcagt tgttgctgtt gtaggtaggc ggcagggttc accatggcta gttgactgag 480
cgctggcaga aactgttgca gctgttgttg tggctggttt gcaactacgt ttgccagagc 540
aagtgggttt ga 552

<210> 8707
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H10

<400> 8707

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acacgcactg taacacaatt cttgacatta acgaacaaat cggccacagc attgcgcgca 60
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attcgaccct agcaataaca ccagcaaagg tagcagcaac agtagcagaa gagaaacttg 180
cgatccacaa aacaaaccct actcatatgt ccttacaatg gcaccagatt aacaataacc 240
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tcttcctt 308
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<210> 8708
 <211> 553
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H11

<400> 8708

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catagatcaa accacactgt ggacagattc caccaaacc aaaagactat aaataaggga 120
agatacaggc taaaatcgct ggggagaaga gatgcatggt cgtcgacaag ccatgtgacc 180
tggctatcca tgcagagac gagaccacaa ggattctgtc gatctgtgct cttgcgtcag 240
ctcagctcgc atgggatctg gtaggacacg ctctaccgcc gcagggtctg catgatgtac 300
tggccgtaca ggtccatgga gtactggatg gcttcgcggg cagcggcggc gggcaggaag 360
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tcttgagggc ggtgagggga gagctcgctg atgtcgttgt agtggcggtc ctcggggctg 480
tcggcgcaga cggcgatgat cttgtcgtcc ttctctccct gatctatcat aggcattgagg 540
ccgatggccc tgg 553
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<210> 8709
 <211> 553

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-104-Q1-N6-H2
 <400> 8709

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ttattgaatt acaactaata agcaatctaa aagaggcacc accaatgatg tgttggttgg 120
aggaggccgc tcggtctgtc aaagcaagtt ggacaaaggg caacaattgt tgtagttgta 180
agaggggttg ggggttagcc gcaaactgct ggtagaaagg cagcaactgt tgctgtgtca 240
agaaggaagc acggtttgcg gcagctagct ggctaaatgg tagtagtatt tgctgtgtca 300
aataagcagc ggggttcagt gcggccaatt ggttaaattg aagaagttgt tgttgctgag 360
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tcagtgtaga cagttggttg aatggaagaa attgttgttg ctgagagtag ggagaaaggt 480
ttgccagagc tacttggttg atcacaggta gcacgagttg ctgcagctgc tgtgccctga 540
tggtttgtac caa 553

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<210> 8710
 <211> 106
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-N6-H3

<400> 8710

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ccgggcgccc cccccgccc gggccccccc cgggggggcc ccccccgggg gggggggggg 60
gggccccccc cccccgccc ccccccccc ccccccccc ccccc 106

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<210> 8711
 <211> 560
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8711

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attattacag tataaatcat aaaaaatcta gaagatggca ccaccaatgg tgggcggttg 120
caataagggtg gtaggattcg tcaaagcatg ttggctaaat ggtagcaatt gttgttggtg 180
taagaaggca acaatgtttg ccacattctg tgggtagaat ggtagcaatt gttgctgttg 240
caagaaggca ttaatgtttc ccacaacttg tgggtaaaat ggcaacaaat gttgttgctt 300
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taagaaggca taagggtccc cgacaagttg gttaaattgg agtagctgtt gtgcctgcaa 420
gtagatagca ggggtcaccc cagctagttg attgaatgga agaaactgtt gttgctggag 480
gtaagcagca aggttcgctg caactacttg attgattggt ggtagcaact gttgttgtag 540
ttggtgtgcc ccgattcttt 560

<210> 8712
<211> 575
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-N6-H5
<400> 8712

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ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattgtt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
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gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaattt gttgcagcaa 360
ctgttggtgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actgttgtag 480
ctgttggtgt tgctgggtatg cagctacgtt cgccagagca agtgggttgg atgcaagcag 540
ctgctgttgc aagtaggtga cagggttcac caggg 575

<210> 8713
<211> 144
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H6

<400> 8713

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gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cactgctggg tttgtcaaag caag 144

<210> 8714

<211> 492

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H8

<400> 8714

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tttttttttt tttttttttt tggaaattaa actaagttaa aattgggtat tttccacgtg 120
tacttaacac gagcccgaa aatggcaggg ggggaagacg gcgcccccaa acatgcatgc 180
ctgggttttc tatttcaaata gaaaatgcac gagggccccc ccccttcctt ggggttggtg 240
tgggggcggc cattcttttt ttttttcgcc ccctggcagt cggcgtcggg gttgtcctcg 300
gtgcccttgg aacaaccagg cttgcaactg ttgccaccag cggtggcagt aggcggtagc 360
attggtttta ttattagcgt tcccgggggc gggggcgcgg tgccgcttta gcactttccc 420
cagtttcgtg acggccaaca ccggggtgac cgccttcagc gtgcgcattt gccaccctc 480
cgcctcggcg gg 492

<210> 8715

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-N6-H9

<400> 8715

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acagtgcata ccgttacaca gctatgtaat tattctgagc ctctgagttc catcatcaga 180

tagaggtgca ggttgccttt cgccggctca tttgcgcagc aagtctctca gtttatcggc 240
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ccttgcaaat gccagtgaag attcatcatc ttctcctcgt ttaatgttat cattgttttg 540
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<210> 8716
<211> 659
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-A12
<400> 8716

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ccggcggtgt ctactactga ggaaactatg tactgtagta ataatgtaat ggagcgcgt 659

<210> 8717
<211> 659
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-A5

<400> 8717

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accaacagtt tactttatac accagaacca aagaaattgt gcgatcagat tctacagcgg 180
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<210> 8718

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-A6

<400> 8718

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atgggacact ctctcctttt gctaaggctc gcaattgtgg atttggcatt accaaaggcg 180
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atgatcagca 550

<210> 8719
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-A8

<400> 8719

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gcttgccacc aaggctgccc gtaagtctgc cccaccact ggtggagtga agaagccggg 180
gggctaccgc cctggaactg ttgcactccg tgagatccgc aagtaccaga agagcactga 240
gctgctgata aggaagctgc cctccagag gctcgttagg gaaattgcac aggacttcaa 300
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catgccaag gacattcagc tggcaaggag gatccgcggc gagagggcct aatcgccacc 480
tcaaacatcg tgacaaaaaa atgaagtcct ggggttattg ttaatctggt gccattgtaa 540
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<210> 8720
 <211> 606
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8720

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cgcatgcaag ctgttttttt attcagaaga tcccaggagg cggggacgac gacgacgggg 180
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ggctcctcct cctcctcggc ggccggggccg ggcacgaggt gctcgtagac gacgccggag 300
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 ggcgcgggcg ggaccctccg ngctttgtcc atcacgctcg caaagtaggc gtacatgagc 540
 ccgaacgcca tggccgnctt cagcacgcnc gggttccatc cggtcacgcc ccccggcagc 600
 gcgtac 606

<210> 8721

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-C5

<400> 8721

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 caaaccatcg caacgcata gcaacaacaa ttctaccag cactgagcca cctagccatg 180
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 aaccaactga ctatgtcgaa ctctgctgcg tacctacaac agcgacaaca gttacttaat 540
 ccactagcag tggctaaccc attggctcgt gccttcctac agcagcaaca attgctgcca 600
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<210> 8722

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-D12

<400> 8722

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aacgcgtgct tggttacgca ttattcaaag atggaaggaa cacaagctt gcttatcccc 180
tggagaagtt ccattctgat gttgctggta ggagctttca caatgggagg tttatacaga 240
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atgttaccce attagtcata cagaggtgca ctgttaggtt gatgttcctg gttagaggtg 600
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<210> 8723

<211> 656

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-D9

<400> 8723

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ggatgctaata gatgaagatt gtagtacaac tcctttcttc catataattg gtcgtggatt 240
gtctggaaaa tgcatagtta ctttagacca caagacatgg ctacaagccc acagatatgt 300
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caacatcaat cctttcatga gtggcttagg ttgcatgtaa gtaagaaata aacttaatag 540
atttatttga gatggaattc acatatactn taacggtagc atttcaaatt caggtggaag 600

atacgtgtga agaagcatca gacgagatta atatttttagc caaagcacca atgatg 656

<210> 8724

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E2

<400> 8724

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ctgtggctgc cagacaccac cgtttcatct accgcctcgc ttctatatgc cgctccggtt 180
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ccggtaccag gcgacatacg gtgtggctct gcagtccttc ctgcagcagc agccgcaggg 480
cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct 540
gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcggtg tctactactg 600
aggaaactat gtactgtagt aataatgtaa tggagccgct gactagctac ctatagggct 660
atagcta 667

<210> 8725

<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-E3

<400> 8725

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acngagacgn nacnccnnnn agaaggagnc cnaaaacang gaganganng ggancnnaac 120
gcncagcagg gccgcacaaa gaanaaanca gaaggcanag caaggcnan ncaaggacgg 180

ggggggcgaa canangccgg gcacaannaa aaggaaannc gnnagcaggc nccacanaaa 240
ccaggcagan ganggaaaaa cgaaccagca cannanggag nccacaagac acccaaccga 300
a 301

<210> 8726
<211> 571
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-E5
<400> 8726

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tcgccgattc ggccggcctg ccgcctctgg gggccgctcg tcaggtggat gccgtggtga 120
acgagggcgtt caagatggcg aaagccgacg acctcagggc ggtggacgag gcggagttca 180
agaagctgct gaccgaggtt cttggggccg tcatgtgca gctggacgcc agccccgtcg 240
ctgtctccac caacaccgtc gtccacgagc ccatgtgcac ctctctctcc tctccgcgc 300
tgctgtcgcc cagcccgctg tctccgatgg tgcctctcc tgctagtga taggagaaga 360
cttgacaact gagtgaggag atgacgatgg agatggatca caccggccccg tcacgctcag 420
tttttctttt tctgtgtcac cgggtactaa taacatgtta ggaacttgtg ggtttttatg 480
tcgcttataa cttctcgta aataaggctt ttctaagctt ttgagtagtt gtgaacattt 540
taagcaatcg tgaacagatg gtggttgata t 571

<210> 8727
<211> 655
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-105-Q1-K6-E8
<400> 8727

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ctaccaagat attatccctc cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt 120
ccattattcc acaatgctca cttgctccta gttccattat tccacagttc ctcccaccag 180
ttacttcaat ggccttcgaa caccagctg tgcaagccta taggctacaa caagcgattg 240

cggcgagcgt cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
 caatacaaac catcgcaacg caacagcaac aacagttcct accagcactg agccacctag 360
 ccatggtgaa ccctgtcgcc tacttgcaac agcagctgct tgcattccaac ccacttgctc 420
 tagcaaacgt agttgcaaac cagcaacaac aacaactgca acagtttctg ccagcgctta 480
 gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
 gcccgctcgc tgtggccaat gcacctacat acctgcaaca agaattgttg ncacagattg 600
 taccagctct aactcagcta gctgtggcaa accctgttgc ctacttgac agctg 655

<210> 8728

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E9

<400> 8728

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 acttgctttg acaaaccxaa catcgttcta ccaacaaccc atcattggtg gtgccctctt 120
 ttagattgct tatgagttat acttcaataa tgaagttctt cggatgatgt ttgtggctgg 180
 gcagaaataa gaaagtacat ttctagattc taaaaaaaaa aaaaaggac 229

<210> 8729

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F1

<400> 8729

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 gatgaaggag ctggagagcc tctgcaaccc catcatcgcc aagatgtacc agggcgcggg 180
 tgaagacatg ggcggcgctg ggggcatgga cgaggacgcc cctgccggca gggcgggccc 240
 tggccccaag atcgaggagg tggactaagc ggtttgttgt cagtcttgag tgtgctgcag 300
 ttgctggctg gccagttgc tgccgagagt tatcgtcagt tggcgcggtg tgtccgctta 360

aactttatatt gtggttggtt ggtacttttg tgggtggttat ttttttggac ctcgtgatag 420
tcggtcgggt caatgtt 437

<210> 8730

<211> 531

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F2

<400> 8730

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tgtgaçttgt gaggaggaag ggaggaagaa agcggatcca tggcgtcgaa gcggatcctc 120
aaggagctca aggacctgca gaaggatcct cccacctctt gcagcgcagg ccttggggcg 180
gaagatatgt tctactggca ggcgacgatt atggggccat cagatagccc atacgctggt 240
ggcgtatattt tggtcactat tcactttcca ccggactacc cattcaaacc accgaagggt 300
gcattcaaga cgaaggttta ccaccgaat atcaacagca acgggagcat ctgtcttgat 360
atcttgaagg agcaatggag ccttgacactg acagtttcta aggtcctcct ctcaatttgt 420
tcccttctga cggacccaaa cctgacgat ccgttgggtcc cagagattgc tcacttgtag 480
aagactgata gcgtgaagta cgaatctact gctaggagct ggactcagaa a 531

<210> 8731

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F6

<400> 8731

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ttgtcttttt aagaaaatgg cttacatggt tgatcttttg agtatgaaaa caaattagtt 120
catagagatc cttgttattt ctcttagaca atgctcaata attcttccat agcttcatgt 180
gtggctcgtc aactttactg cctggtaact agtacagctt tgaatgtctc ccttattttt 240
tgtagattgg tactgatata cttctccact cgttagccat cttgttttca tgttcactta 300
tttgatacta gatcgtacaa ctaagatttt ctctgaatcg gtatatcatc aaacttaacg 360

gcacatatta atctgaggcc attcttctgc agggggattt cacaccaata gatgtgtttg 420
 ccgtaaagtg gatccaagct ggagtgactc attttggttt gacagcttcc tactatgggt 480
 tcgtagctga tgttctgcaa ctgtcagaaa agttccgctg gcagctcggg cccttccggt 540
 acgttggtgc tggccttctg aagtttcttt cattacccca gtacagattt gaggtggact 600
 atctcccttc atcgctgcag gggagatgtt ctgaatcaag accactggct gaaaaacgtc 660
 acgaaca 667

<210> 8732

<211> 635

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G10

<400> 8732

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 catcagagag aaagacttaa ggctttccaa gcttcaaata ctgatcggta ctgcagatag 120
 ggcaacggtg gaggaggcag cagctagcat cgaccagcta gagacagagt tcgagcacca 180
 tgtccaggag atactggaag ctgaaatcca gtatctggtg atgatgaaag cgaggcagaa 240
 ctggcaggtc cgggcagaag accagatggc cttggaggag cacagggcgt ctgctgccgg 300
 ggacaacacc aggatgctgc tcaagctacg agagacggag agcaagatcg tgatgttgaa 360
 agagcaggtg gacaagctgg aggtccggga gaaggatctc taccggacga ccgaggtcct 420
 gaagatgcag agcaggacct tcaaagtgtc cctctttggc ctggtccagc tgataatgat 480
 gtgcctgtcc ctgaagatgt tcttcgcgca ggtctcggcg ccgtttgacg aggttgtgcc 540
 gacatgatga tgccctgcct cgtttggatg cattcgtatc cacatggatt gacgtgctca 600
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<210> 8733

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G3

<400> 8733

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 caagatattt tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat 120
 tttccctcaa tgctcacaag ctccctatagc ttcccttctt ccccatacc ttccatcaat 180
 gagagcttca gtatgtgaaa acccagctct tcagccctat aggctccaac aagcaatcgc 240
 agcaagcaac atacctttat cacccttggt gtttcaacaa tcgccagccc tatctttggt 300
 gcagtcattg gtacaaacca tcagggcaca gcagctgcag caactcgtgc tacctgtgat 360
 caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga acctgctgc ttatttgcag caacaactat taccattcag 480
 ccagctagct actgcctact ctacgcaaca acaacttctt ccatttaacc aattggccgc 540
 actgaacccc gctgcttatt tgcagcagca aatactacta ccatttagcc agctagct 598

<210> 8734

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-G9

<400> 8734

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 gcgccgtggc cctgctgctg ctctgctgg ccacgacggc gacggaggcc gcgaacccgt 120
 gcaacccggc gcagctgacg ccgtgcgcgg ggccggcgct gttcggcggc gcggtgcggg 180
 gggcgtgctg cgcgcagctg cgggcgcagc aggggtgcct gtgcgggtac gcgcgcagcc 240
 ccaactacgg gagctacatc cgcagcccca acgcggcgag gctcttcgcc atctgcaacc 300
 tgcccatgcc gcgctgccgt tattagcggg cagtagtata tatactagct agctattcca 360
 atacaatcat gctcagtcgt tggatatatc taagtactca tgtgaagcat gcggtgcaca 420
 ctatggatca tgtaggacgt tctgatacat gaataaaatc caggacgtct cagtttgggc 480
 ggcaatatag gtgggtaggg atggatatat tagtcgcgaa tcaatacccg cgaaacaaaa 540
 ctcaactcat atctgtatct ataaacgttc gtgggtatgg at 582

<210> 8735

<211> 663
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H1

<400> 8735

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ccttatgctc cttggctctt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttcct ttcttccccc atacctctca ccagcgggtgt cttcagtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattcttacc 240
tttatcacc ttgttctctc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
tttgttggca caaaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc ccagcaatt 480
tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
accaccattc agccagctag ctgatgtgag ccctggtgcc ttcttgacac aacaacagtt 600
gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacaac tgcaacaatt 660
gct 663

<210> 8736
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H4

<400> 8736

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caggtggagc cgcagcaccg gtaccaggcg atcttcggct tggtcctcca gtccatcctg 120
cagcagcagc cgcaaagcgg ccaggctcgcg gggctgttgg cggcgagat agcgcagcaa 180
ctgacggcga tgtgcggcct gcagcagccg actccatgcc cctacgctgc tgccggcggt 240
gtccccact gaagaaacta tgtgctgtag tatagccgct ggctagctag ctagttaggt 300
catttagcgg cgatgattga gtaataatgt gtcacgcac accatgggtg gcagtgtcag 360

tgtgagcaat gacctgaatg aacaattgaa atgaaaagaa aaaaagtact ccatctgttc 420
c 421

<210> 8737
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A1

<400> 8737

gagctgagggc tgaatcaatg tattgattat ttctaggaaa cacacctagg tatgagggcg 60
ccattatcgg acgcatgtgc tctgtaatct aaaagatggc cccttcaacg atgggttgct 120
gcctcggcgg ggccgggattc atcaaagaga actggttgtc tgggagcact gggtgctgct 180
gttggaaggg ggcgaccaat gggtagcca ctccaatgg cttaagttac tgttgctgct 240
gttggttggtg cgcaccatag ttcgacagag tccgtgggtt gaatgggcgc agctgttgca 300
agttggcaac cgggtttgcc acaggttg 328

<210> 8738
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A10

<400> 8738

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tttttttttt tttttttttt tttgggcttc cggggttttc aattaaggcc tttttttttt 120
gggggtccca aggaataggg ccatcttggg gggggggggg gggggctttt tttaacaggc 180
tccccctggg ccttggggta atttgggggg ttttttatcc ccctaggttt cacggggggc 240
ccatgcttag ggggggggag ggggtttggc aaagggtcag ccaccttcaa atccgggggg 300
gtttgggggtt tttttttttt cccccggcta agggattccc gggggggggg gaacttccgc 360
aggacggggg tgggtttttg ggggggcctt gggtccttag gttgggcaat agcccccttg 420
ggggcccagg ggggggtcaa ggggggtgat ggctttggaa acacccccgg gtcggggggg 480
gacttttttt ttcaaaaacc tttctttggg gattcagaag gcgggagggg cgggggttcg 540

ggggggg

547

<210> 8739

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A12

<400> 8739

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tttttttttt tttttttttt tttttttttt ttttaatttta aaaaagtccc aaaaaacttt 120
tttccttaaa aaaaaacccc tcccatattga ggggtgcggg gggggcattg ctcaaactcc 180
ccccctggg ggggggggaa aataacttac tcattgccgg taaaagagaa aactaccag 240
ctaggagact agtaaacggc tccctttcat ttttactaca aaacaaaatt tccccaaaaa 300
aaaacacccc cccaacttc ttttcaaggg aaaggacctg gtttttttaa ttttaggccc 360
caaaataccc taaatttttg ggcttccttg gccccatta acgccccaaag ctcccccttc 420
gggttttttt taaagaagga ctggaggacc acaccctatt ttgcctggta cgggggcaag 480
gggtccaccc gccttatttt gtgggaaaac ttttttttta acccctggca ctttg 535

<210> 8740

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A2

<400> 8740

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ctgccacca tggatgatgc tgacacatta ttactcaatc atcgccgcta aatgactcaa 120
ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
cgctatctgc gccgccaaca gccccgcgac ctggccgctt tgcggctgct gctgcaggat 300
ggactggagg accaagccga agatcgcttg gtaccgggtg tgcggctcca cctgcctgag 360
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cgggctgcac tgatgcctca gaaactcgac gcactggccc aggatcgggg tgctgccaac 480
 gccgcaggtt ccctgcagct ggcaccgggt tggatgcggc tgttggcccg ggcacgggtg 540
 tggc 544

<210> 8741
 <211> 243
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-A3

<400> 8741

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 ttatcacata ggcggaagtc taacaaaaat gaataagaat aataaacga actaagtntt 120
 atccctgggc gccatcaagc gggctgggac accccaccta gaggggaggg aactcgaggg 180
 ggtngggccc ctcttgccc acctacaagg agctcctgcc caccaccttc taccggggaa 240
 aca 243

<210> 8742
 <211> 265
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-A4

<400> 8742

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 aaacacatgt cgggtctgagg gcaccattgt cgagtccatc tcatatgtaa tctaaagctg 120
 gcacctccaa cgttggggtt ctgcatggcg ggggtcagca aggggaactg ntgtatggc 180
 accaattggt gttgctgctg caggaagggt gcgccctatg ggtagccac tgcccctggc 240
 ttaagtggct gctgctgctg ttgtg 265

<210> 8743
 <211> 563
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A5

<400> 8743

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agtcaagcag ttgtacatat ataaacatgc ttgtaagaaa ttgcaacagg agacacatgg 120
tagtcggagg aggcaaaact gttgtcattc acatgaatga agactataca actactcgta 180
ttaataaaga actccaaagt ggtagtaatg gctcttctat aataattttg aggattgtcg 240
accttttctc tattgctatc agtattcctc ccattttcag caaaatcaac acataattga 300
cgaccattaa tctcgtaacc atgaaggtct cgacatgcac ttaaaacagt ttcctcatcc 360
ttgtactcgc aaaagccata accttttggc ttgccagtct ctttgtcaat caccaatatt 420
aacatttctt gcctaaagtt aatgtgtctc atgaggtgta tgccatgtcc tcgcatcaaa 480
caatatgctc cacatgaatc ggtggcagac atcagttgtg cgttgtagaa tctgatcgca 540
caatttcttt ggttctggtg tat 563

<210> 8744

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A6

<400> 8744

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cgagcccccc acagaaagtg acagcaaaca ggctcctatg gatcctgtac ttagtggtcg 120
aacaacaaaa taccaatatg gcaataagtc gcacatggac ctgccaaact atcgttcctg 180
gttcttgagt tcatgatcaa taagccggag cttcagactg ttctcttcgt tgaggaggga 240
gagctttctca agcgaagatt tcagaagtga catctgggat tctgagatat ggctccgtcc 300
agccctttgt gcctgccatg gcaccattcc tgtgctagcc gcactgcccg tggattgctg 360
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cacatctgcg aaccgatcaa gctgtgattt gaactcctgc tctgcctggg ttaatggttt 480
cttgtttgca gcaggaagca tcttgaagct atctattcgc ttctccaaca gttcatacac 540
cttg 544

<210> 8745
 <211> 508
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-A8

<400> 8745

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ggttcaaccc tagcaataac accagcaaag gtggcagcaa cagtagcaga agagaaactt 180
gcgatccaca aaacaaaccc tactcatatg tccttacaat ggccccagat taacaataac 240
cccaggactt catttttttg tcacgatgtt tgagggggcg attaggccct ctgcccgcgg 300
atcctccttg ccagctgaat gtccttgggc atgatggtea cacccttagc atggatggcg 360
cacaggttgg tgtcctcaaa caggccaaca aggtatgcct cagcagcctc ctggagagca 420
agcaccgcat ggctctggaa acgcaaatca gtcttgaagt cctgtgcaat ttcctaacg 480
agcctttggg aaggcagctt cctgatca 508
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<210> 8746
 <211> 247
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-B1

<400> 8746

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atattgatag gccatggttc acttgggnaa taatgcatta atgctcagcc catctccctt 180
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tacattt 247
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<210> 8747
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B2

<400> 8747

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gggggtttctt ggggttttaac ttttcggggg ggccccctaaa atttttcact ttttttgggg 180
gcccccccaa tttttggggg gggcctgctt ggttggcccc cccccctttt tttccccaacc 240
ctttttatatt tttttttctt cccggggggc cgggcctggg tgcggggggg tttttttttt 300
ttgtaaagtg tgggagattt tttttccaat ttaatggggg gtttttgcca ccccttgggg 360
tttggggggc ggggggctcc caatttttgg gcccgggggg cgggggtcca gggccccctc 420
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<210> 8748

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B3

<400> 8748

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attctaccct acaacattga aggacacaaa agagcaaaaa gaaagaaaaa aatgccttgg 120
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ataccaatag gaatgccacc tttttcggca aggagttttt tatcagcttc tgtctcatag 480
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<210> 8749

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B4

<400> 8749

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ggcgccgtcg ccgcccgcgt cgtgctcagg ctgccaccg gagggatgca tctgccggag 180
tacgcgctgg cggggggcgt gagcggatgg aacgcggcgg tgctggaggc ggccatggcg 240
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ggcgccggag cgctggcggc gccgctcgcc gtggggctcc tggcgggggc taacgtgctg 360
gcctgcggcg cgctggaggg cgcctgatg aatccggcgc gcgcgttcgg gcccgccgtc 420
gtgggctccc gtcgctggag acaccaatgg gtgtactggg tggggcccat ggtcggcgcc 480
ggcctctccg gcgtcgtcta cgagcacctc gtcgccggcc cggccgccga ggaggaggag 540
gagcccgcgc cgagctgcgg cgaccgccgt cgtgcgt 577

<210> 8750

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B5

<400> 8750

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aatcaatata ttgattatit ctaggaaaca catgtcggtt tgagggcccc attggcgagt 120
acatctcata tgtaatctaa aagatggggc ggggcggggg gggttgctgc aaggcagggt 180
tcatcaaaga gaactggttg tatggcagca attgttggtg ctgctgcagg aaggtagcga 240
ccaatgggtt agccactgcc aatggattaa gtaactgttg tcgctgttgt aggtaccag 300
caaagtttga cacagccagt tggttgaatg gaagcaactg ttgtaagtag gcagcagggt 360
ttgccacagc tagctgagtc agagctggta caatttggtg cagcaactgt tgttgtaggt 420
acctaggtgc attgcccacc gcgagcgggc taaatgaaaa tagttgtagg tagaccgcag 480
ggttcacat ggctagttga ctgagcactg gcataaactg ttgcagctgt tgggtgttgc 540
ggtttgcagc taccttcgcc aaacaagtgg gttggatg 578

<210> 8751
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B6

<400> 8751

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ctctttcttt cttattcttt tttttttccc cccccaaaaa tgacatcaaa caacctccta 120
tcaatactgt ttttttttgt ctttcaacaa aatttttttg gtttgaaaag gggcacatca 180
actcgccaac caaaacttcc tcgtaaatga atttatcccc caaaccctcg actttctgac 240
aagcctcttt ttccatgccg aagatcccc ttccctcaga tccaaaccat tacatgttct 300
ttttttggat acccataccc ccccccttt tttcccaaac ccttcccttt tgtttgctat 360
cttcactatc agcgcaattc cccaccctat cttttaccct tcttccccgg gacccccctc 420
ttgaaccccc ttcattctct tgcccacccc cttttctccc a 461

<210> 8752
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-B7

<400> 8752

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aactttatta ttgaattaca actaataagc aatctaaaag aggcaccacc aatgatgtgt 120
tgttggtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattgttgt 180
agttgtaaga gggttgcggg gttagccgca aactgctggt agaaaggcag caactgttgc 240
tgtgtcaaga aggaagcacg gtttgcgtgca gctagctggc taaatggtag tagtatttgc 300
tgctgcaaat aagcagcggg gttcagtgcg gccaatgggt taaatggaag aagttgttgt 360
tgctgaaagt aggcagtagc tagctggctg aatgggt 396

<210> 8753
<211> 337

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-B8
 <400> 8753

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ttacgacctg tccgacgatt tctatgccct gtgggtggat ccgcgccggg tctattcctg  180
cgcctattac cgcgagccgg gcatgaacct ggcgagggcc caggaagcca agctcgacca  240
catctgccgc aagctgcggc tgcggccggg cgagcgcttt ctcgactggg gcgcgggctg  300
gggcgggctg ttgctgtggg cggccgagca ctatggc                               337
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<210> 8754
 <211> 576
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-B9
 <400> 8754

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cgtcgacgcc agtcacggc tcattatcct ccttgggttc atccccagcg tcttcgtctt  180
caccatccgc ggcgtcctcc atctggtaat ccaccttgaa atcgtagtcc gcgtccatgt  240
cgttcagcac actgaacctg ttgccttgc gccgtttctt ctctgctttc ctcttgcgag  300
ggtcgagtat gccctcggcg gtgtacaact tgtcgttctg tgtgctggcg gtggctggct  360
tgcttccttg tgggtcgttc gcgtcagaca tttgctcttc ccggttttcc tgagcgggtt  420
cacttggttt gctgccatcc tctagcatct ctttgtcaat tgccgggtgga gcattaggag  480
gaatctcaat atgatggaac tcctcaatgg acttcaaacc accaatatat gaagactcag  540
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<210> 8755
 <211> 573
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C10

<400> 8755

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ggtagtaatg tagaagaaag caaaaaaat gtcgatcctg taaactgcag ctaatcaatc 120
ctacaccacg ccggggggggg aatctcgttg tgttcacac cactgggttat ccttgctcga 180
tgtttgctgt ttactgctgc tactagcgt gtgtgttctc ctcttcccc tcagagcgag 240
ccttcgaacg agaccgcgag ctgcaccgcc ggctggggcc gctgctgcga cggcgcgctg 300
gccaggccgt ccagcatctt gaccacgtcc accgtgtcgt ccaggtagta cctggccatg 360
ctcggttct tgcccaccgt gcacgcgaac acctcgtgc tggccggcag cttcacgccg 420
ctgttgaggg ccgggcacac gatgctctcg aacatgtcct cgtccgaccg gtcgtcgccg 480
atgcacagca cgaagtccgg cggcttcccc gtctcacca tcgacgacag gaggctgtcc 540
actaccacgc ctttgctgat gcctggggg tta 573

<210> 8756

<211> 546

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C11

<400> 8756

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ggaaatcgcc acgggtcaat ttggcaactt catccttcca caatcactat atctacagct 120
acatgattgt tcgacacgca gtaacaagag aaaattcaaa cacttgccat gaagagtaac 180
ttccaggcga acagttaggt atggtatatt atttggtttc tctgctctgg tagttgccct 240
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gagcctcaga gctgctggaa gcaaaatggg ttactatct cacattttgt ttggcccat 360
aaatttgttt tctctcagca ggtttcagaa tttggaagga acacatcaaa gtttcgtcaa 420
cgctcatcat tgcgccagca ttatcaaatt caccacaata attgggagcc gagaatatgg 480
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aaataa 546

<210> 8757
 <211> 153
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-C12

<400> 8757
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 caaaaaccnn anaggaaca naacnanaag aaacgaaagg gggcacaacc aacgggcagc 120
 anngaacnch ccggcnnatg gaggggggggg ggg 153

<210> 8758
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C2

<400> 8758
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 ccccttggggg gggccctttt aattgggaaa aaaaaaaggg gcccccccaa aagggggggg 120
 cccaagggggg ggggttaaaaa aaaaaaaagg gggggggggg aaaaattggt gttcttctcg 180
 ggaaaaggga ccccccaagg ggggtccccc cccaagggg aaaaaaacg ggggggcggg 240
 gggggggccc cccaaaaatt ttacaccacc ccggggggga aaggaaaaaa actgtttaa 300
 agaggacaaa gggttcccca aaattggggg aaaaaaaggg ggaaaaattt tt 352

<210> 8759
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C3

<400> 8759
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 acctaaaata ttctccaaat ttacacctta acaaaaattg gacccaatcc acagtttctc 120

ggtaacgtta caaccggggt tactatgcac ccaatccact gcttctcggg aatgttacia 180
 aatgactaag tatccattct tcaagggtcac ggatcattcc tccaagatg caccaagaat 240
 ggcaacacaa ctacagaaca ccatgctgat gagaaagcag aacctgaaag ctacatgcc 300
 tgatcttagt tgtgtgatgg aattggtagc ctgcgcttcc aagatttaac aaagaaatag 360
 cagccaaaca ttaacagttc agccccaaaa tttgcgcaca attgaataac agatatccac 420
 ctaaggatca atcagaacac aaatggagtc gaccgttgat gactgctgag gttgttgctt 480
 tgaaactgca gggcgcccc accaacctcc ctcccgaatt ttccagcaaa gcaaaaatgt 540
 ttgccaac 549

<210> 8760
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C4
 <400> 8760

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 cactgacact gcctcggggg gggggcgctg acacattatt actcaatcat cgccgctaaa 180
 tgactcaact agctagctag ccagcggcta tactacagca catagtttct tcagtggggg 240
 acaccgccgg cggcagcgta ggggcatgga gtcggctgct gcaggccgca catcgccgctc 300
 agttgctgct ctatctgctc cgccaacagc cccgcgacct ggccgctttg cggtgctgct 360
 tgcgggatgg actggaggac caagccgaag atcgccctgg gccggtgctg cggtccacc 420
 tgctgagct gctggcaaca ct 442

<210> 8761
 <211> 531
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-C5
 <400> 8761

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ccattatcga gtacatctca tatgtaatct aaaaaatggc acctccaacg atgggggtgct 120
gcctcgacaa gacaggggtt atcaaagaga actgggttga tggcagcaat tgttgctgct 180
gtaggaaggc agcgaccaat gggtttagcca ctgctagggg attaagtaac tgttgctgct 240
gttgtaggta cccagcaaag ttcgacataa tcagttgggt gaatggaagc agctgttgca 300
agtaggcagc aggggtttgcc acaactagct gagtcagagc tgggtacaatc tgttgcaaca 360
attgttggtt caggtatgta ggtgcattgg ccacagcgag cgggctaaat gaaaacagtt 420
gttgctgttg taggtaggcg gcagggttca ccatggctag ttgactgaac gctggcaaaa 480
actgttgcaa ctgttggtgt ggctgggttg caactacctt tgccaaaaca a 531

<210> 8762

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C6

<400> 8762

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tttttttttt tggccccatt agaatttgga aatgtaactt tttttttctg ggggggccct 120
ttcttttagcc aaaaaacctc atttttgggg ttacagccaa agaggccatt ctaaaaaatg 180
ggccccggcc aagatttgtt tgttggaag aaaggttct tggttttcca aagccagggg 240
ggcaaagggg cccaactggg gcccttgtaa gaggggtgcg ggggttgccc caaactggtg 300
gggtaaccga agcaaaggt ggtggttcaa aaaagaaagg ggggttggtg gtccttgctg 360
gccaagggg ggagggttg ctgctgggga aaaaccaggg ggg 403

<210> 8763

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C7

<400> 8763

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aattattgtt cagcgtatgc ttgtttgaac aaatatttat ttcagaatca tattgtactc 120

ctggtgcaaa atcgtggggg tgacatgcac aatcttcgta gaaatcttct tgctcattag 180
gtgttttcatt gtattcatat tctgggcttg gtggcatctc aacaattggc tcgcagctat 240
ggatgggtgg tgtttcagta gtagtgctgc ttattgcaat ttgataccga tacatttggt 300
gagaacttgg tgtgcaactc ccataagcaa ccatgcttgt ttgctgttct ccttggtcat 360
gcttctctgg aagaggtagc gactttttgg caagtgaact attgtaatat ttacaacttg 420
cactgaaagg acaagctccg cagtttggat ttttttccct gcaaactacc tttccaaa 478

<210> 8764

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-C9

<400> 8764

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acgagtacct gattaatgaa tgtaggttta gcctaaaatg aattacattt tgagacggag 120
cagattaatg aatgtaggtt tagcctaaaa cgaattacat ttttaagacgg acagagtaaa 180
aagctagcag cgagttacaa atatataggg tggttgcttt gattgcttcg tcattctctt 240
accatgttgt aaagaatgat actatctacc agtcgtcaaa accatgtaac atatcagacc 300
tcgacgaaat cgtcttcac c aatttcatct acccaactcga cctgtgagca agacgcggat 360
ttcatcaact ccgtgaggcc ggtcaggtct tccaaatagg ttgggttcatt gattacttgc 420
atcacgaaat ccatccctct cctccgatat tgatacaata ccgcatggga gcatgccgtg 480
caattactcg aggaatagcc caacagggtt aatatgttgt actgcgatag tgatccacgc 540
atctggtgag gtaaaaggcc gtgctcatga ccaactgcct 579

<210> 8765

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D1

<400> 8765

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ccacgacaag gcagggttca tcaaagagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggtagccac cgctagggga ttaagtaact gttgtcgctg 240
ttgtaggtac ccagcaaagt tcgacacaat cagttggttg aatggaagta gttgttgcaa 300
gtaggcagca gggtttgcca caactagctg agtaagaact ggtacaattt gttgcagcaa 360
ctgttggtgc aacaactgtt gttgcaggta tgtagggtgca ttgcccatag cgagcgggct 420
aaatgaaaaa aattgttgct gttgtaggta ggcataggg ttcaccatgg ctagtgtact 480
gagcgtggt aaaaactgtt gcaactgttg ttgtgttggt tatgc 525

<210> 8766

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D10

<400> 8766

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gggtcccccc cggtgggggg gccctcaaag ggaccggggg gttggggccc ctttgttgct 180
gctgtggggg ggccccccc ctgggggtcc ccccccggg ggggttaagt cccgggggcc 240
cctgtggggg gccccccca ggttcccccc ccccagttg ggtgatggga aatttttttt 300
cccggtgggc cccgggttt cccccctct gccgggaaag gccggggccc tttgggtgcc 360
cccccgggg gggcccccc gtttttccgg gtttttgggg gctttcccc tagcgggggg 420
gcttttttaa aaaatttttc cttttgtggg gg 452

<210> 8767

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D12

<400> 8767

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
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 ccccggggaa aaaacaaaaa ggggggcctc tttcctgggg gggggccaaa aaacccaaaa 240
 gtaccccccg ggaaaaggaa aaaggctgcc cggaaaaaaa acatgggcct gaaaccttta 300
 gggggggggac ccggaggagg aaaccggttg ctggaaaaac cttttttccc ccaagggggg 360
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 aaagtggggg ggtaaaccac cccccccca aaaaggctg agcgcaaaac aaaattcctt 480
 aagggaaaaa aaaagggaat tttaaggggc ccccccccg ttggggcccc taaaaaaatg 540
 gccaaaaaaa accagggggg ggggggttaa g 571

<210> 8768
 <211> 389
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-D2

<400> 8768

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 gctgctgggt ttgggagggg ggggtggttg aatggcagca attgttgag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggttg aacggcaaca actgtggttg tntcaagaag 240
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 gccggagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360
 ggttgctggc tgaatggtag ttgctgttg 389

<210> 8769
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D6

<400> 8769

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ggcagcttat aacagggcat actagcagca caaatgggca aggaacagca tgccaaacaa 120
 cgcattttgc gcccgaaacgc tcgacttcct gtaaagcggg ttttaccata ccaaggggtac 180
 acgatccatc gatgcaatac cattggaggt tcttggtttg taaacccaaa cccacccgat 240
 ctatatgaca aacccatcgg tgatgggtgc atttttaaaa aacaccacga ttccaaacct 300
 tatgtagtac cttttttccg ggggaacaac cttttggatg cccttactgt ttgggaacac 360
 cacgttcttc ccaatcctaa cattcatgtc aatgatacag gtccttatac tttgggttcc 420
 ttcctattcc aactgggacc ttccc 445

<210> 8770

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-D9

<400> 8770

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 tatgggctcg ttctccaaat tatccaggtc atacacatct cttgctttag attgaacaac 180
 agcagcccac tcaatatcaa ttggatcagg aacatagtat acttggtactg cttgtgatgc 240
 tagaatgaaa ggctcatctg ataatttttc acctgtattg aacaagtgtc taaaattgac 300
 agatgtgata cctaactggt cagttttcac ccacttggtc tgcacacggg tgtcaacca 360
 atcacatttg aaaagcacga ccgtaccttt gtgggttatag tttagttcaa caatttcatt 420
 gataatacca aaataggctc tatttcctat tatgacatta tcattattac ccctgtcaaa 480
 gcttggtgac tctgcaacta caacaacccc actattttga atagatctac cct 533

<210> 8771

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E10

<400> 8771

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ccttttggga aaaacccct tttgggaaaa aagggggggg ggaaaaaat tttttaaggy 120
 aaaaaccccc aaaaggtttg gggggggggg ggggtttttg gggggggggg ggggccaaac 180
 cccccaatg gggggggggt tgggggcggg taaaaaaaac cccccccct tggggggggg 240
 ggggaaaaaa caaaaaaaaa aaaagggggg gggggggccc cccccgggt ttggggaaaa 300
 acccctttta aaaatggggg ggaaaaattt gggggcaaaa acccccaaaa aaaaaaaaaa 360
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<210> 8772
 <211> 576
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-E11
 <400> 8772

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 <223> unsure at all n locations
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tgcagccagt tggttgaatg gaagaaactg ctgttgcaga gagtaggcag caaggtttcc 480
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<210> 8774

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E2

<400> 8774

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tgaactagct atagccctat aggtagctag tcagcggctc cattacatta ttactacagt 180
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<210> 8775

<211> 548
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E3

<400> 8775

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gttggtggggc ccaaaattct gagaaatcga aagcacaatc ggcaccttta cagacgcacc 180
cacgcaggaa gctttctacc agcaacagtc aagggggtga cgcatatcag agaactactc 240
gactacagcc aggtcctcat gggatgggag gctagttcag caacagtttg gtgagcaatt 300
catctttcgg tagagacact ccagcccgga atgcatgctc aaggaccttt atccattcat 360
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<210> 8776
 <211> 567
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E4

<400> 8776

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taagaggggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gtggttggtg 240
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 ggtaacttgc tgtaataggg ctgatga 567

<210> 8777

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E5

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 cctgagggtc tcggctttcg ccatcttgaa cgcctcgttc accacggcat ccacctgacc 480
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<210> 8778

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E6

<400> 8778

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 agaaaggaga cattattatc cccaccagat gaattaatag tgcgtgatct acattaccac 240
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<210> 8779

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<223> Clone ID: LIB3061-105-Q1-N6-E8

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<210> 8780

<211> 211

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-E9

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211

<210> 8781

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<212> DNA

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<223> Clone ID: LIB3061-105-Q1-N6-F1

<400> 8781

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actggggccag ccagcaactg cagcacactc aagactgaca acaaaccgct tagtccacct 180

cctcgatctt gggggccagg cgcgcgctgc cggcaggggc gtcctcgtcc atgccgccag 240

cgccgcccac gtcttcaccc gcgccctggt acatcttggc gatgatgggg ttgcagaggc 300

tctccagctc cttcatcttg tctcgaact cgtccgctc ggcgagctgg ttggcgtcca 360

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<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F10

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tgttggttagg aggctgctgg gggggggaaa gcaagttgga caaagggcaa caattgttgt 180

agttgtaaga gggttgcggg gttagccgca aactgcttgt agaaaggcag caactgttgc 240

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tgctgcaaata aagcagcggg gttcagtgcg gccaatgggt taaatggaag aagttgttgt 360

tgctgagagt aggcagtagc tagctggcta aatggtaata gttgttgctg caaataagca 420

gcaggggttca gtgtagacag ttgggtgaat ggaagaaatt gttgttgctg agagtaggga 480

gaaaggtttg ccagagctac ttggttgatc acaggtagca cgagttgctg cagctgttgt 540
gccctgatgg tttgtaccaa tgactgcacc a 571

<210> 8783

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F11

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<210> 8784

<211> 544

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-N6-F12

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 ctcccgtttt tttgtggggc ccgggggttg ggggttttgg ggctggtttg ggggggggtg 480
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<210> 8785

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F2

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 accttcgggtg gtttgaatgg gtagtccgtt ggaaagtga ttgtgaccaa aaatacgcca 420
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<210> 8786

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F3

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<210> 8787

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F4

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<210> 8788

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F5

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 caaaaaaggg ccccccaag gggttcccc cccccaaggg ttaaaaaaac tgtggccctt 240

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aaaggcaaaa gggtttcccc caattttgtt aagaaaaagt gggcaaaatt tgtggaaaaa 360
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<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F6

<400> 8789

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<210> 8790

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-F8

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aatagggctg accgt 555

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<211> 553
<212> DNA
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<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-N6-G1
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ctcatctgct gctggcagca ctgttgccgg agcggctgga acatggcgct cggctgcccc 480
caccggcgt agtagggcg cgccgccagc gggctgcact gcggctgcct caggtactcc 540
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<210> 8795

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-N6-G12

<400> 8795

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gatacagttc cttatctttg tgttccttcc tattccaact gggaccttcc cagctaacag 480
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g

541

<210> 8796
 <211> 564
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G3

<400> 8796

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tggtttgtac caatgactgc acca 564

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<210> 8797
 <211> 280
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G5

<400> 8797

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aaaagagggg gggcccaaca aggggggggg ggggagaaaa aaaagggggg ggggaaaaaa 180
aaaggggggg aagggaaaaa aaagtgggag ttgaaaaaag ggccaaggga gaagggccaa 240
aaggggagga aaaaaaaaca aaaggggggg ggtagaaaaa 280

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<210> 8798
 <211> 484
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G6

<400> 8798

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caattgttgc agttgtaaaa gggggcccg cgttaggcata acgtgccggt aaaacggcaa 180
caactgttgt tgtgtcaaaa aggcaacagg gctcacatca actaactggc tgaatgggaa 240
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agcaaagttc aatgcccccc gttggttgaa tggaaaaaac cgatgttgct gaaagtattc 420
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<210> 8799

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G7

<400> 8799

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aggaggctgc tgggtttggc aaagcaagtt ggacaaaggg caacaattgt tgtagtgtga 180
agagggttgc ggggttagcc gcaaactgct tgtagaaagg cagcaactgt tgctgtgtca 240
agaaggaagc acgacttgct gcagctagct cgctaaatgg cagtagtatt tgctgctgca 300
aataagcagc ggggttcagt gcgccaatt ggttaaattg aagaagttgt tgttgctgag 360
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<210> 8800

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G8

<400> 8800

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<210> 8801

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-G9

<400> 8801

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gggggtgtat ccatccctac acacctatat tgccgcacaa actgagacgt cctggatttt 180
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cttacgatat accaacgact gagcatgatt gtattggaat agctagctag tatatatact 300
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gcgttggggc tgcggtatgta gctcccgtag ttggggctgc gcgcgtaccc gcacaggcac 420
ccctgctgcy ccgcagctg cgcgcagcac gccggcgga ccgcgcgcgc gaacagggcc 480
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gtgg 544

<210> 8802
 <211> 556
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-N6-H1

 <400> 8802

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<210> 8803
 <211> 575
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H10

 <400> 8803

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atggggttgct gctcgcagag gacaggattc atcaaagaga actgggttgta tggcagcaat 180
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agctgttgca agtaggcaac agggtttgcc acagctagtt gagtcagagc tgggtacaatc 360
tggtgcaaca attgttggtg caggtatgta ggtgcattgc ccacagcgag cgggctagat 420
  
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gaaagcagtt gttgttgttg tacgtaggcg gcagggttca ccatggctag ttgactgagc 480
 gttggcagaa actgtttag ctgttgttgt tgctggtttg caactacgtt cgccagagca 540
 agtgggttgg atgcaagcag ctgctcttgc aagta 575

<210> 8804
 <211> 568
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-H11
 <400> 8804

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 tgctgcaata aggtgggggg ggggggcaaa gcaagttggt taaatggcag caattgttgt 180
 tgttgtaaga aggcgacatt gtttccaca tcctgtgggt agaatggtag caactgttgc 240
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<210> 8805
 <211> 544
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-N6-H2
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 gtaccctccc agactagacc aataggacac tatctcaaca accgacacca catccatcct 180
 acaatcctcc agtatacggg aacataagta aactaggaat aggaaaactt tggtagcgag 240

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<210> 8806

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H4

<400> 8806

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<210> 8807

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H5

<400> 8807

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<210> 8808

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H6

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 aataagcagc ggggttcagt gcggccaatt ggttaaattg aagaagttgt tgttgctgag 360
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<210> 8809

<211> 135

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-N6-H7

<400> 8809

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<210> 8810
 <211> 540
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-A6

<400> 8810
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<210> 8811
 <211> 666
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-A8

<400> 8811
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<210> 8812
<211> 674
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-A9
<400> 8812

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<210> 8813
<211> 653
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B1
<400> 8813

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<210> 8814

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B3

<400> 8814

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<210> 8815
 <211> 298
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8815

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 tgggtcttgt gtgtgcgtat tcgctgtgat ctttagagtc gtgcttattt gctggtcagt 180
 tcgttgctct ntaattctct gtgaacataa aaagtaaggg cgagaggctc caagttgtgg 240
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<210> 8816
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 8816

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 gatgtgagca atgctgcctt ctagacacaa cagcagctgt tggcggttcta cctactcgct 420
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<210> 8817
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<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-C1

<400> 8817

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ttcttgtaca cagacaggcg gctgcagctg tgggtcaacaa caaagccatg agcagcagcg 180
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aacagcacca acaacaacat caatgtgaag gccacaacaa acatcaccaa caatcacaag 420
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atcagcaggg ccaggaaaaa tcacaacagc aacaatgtca ttgccaggag cagcaacaga 600
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<210> 8818

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C10

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gttttactgt gattcttaca agggatggac aagtatatac ttgtggaagc aatacacatg 120
gccaaacttg tccaggtgac accatagaca gggccactcc aaagcttata gaattgtttg 180
aaggccccac tcatgtggtg cagattgcag ccggcgcaag ctacactttt gctgtaacag 240
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tccgtgtttc tgctggagat gagcatgctg tggctcttga tgcactagga cacgtttata 420
cttggggcag aggatactgt ggagccttag gtcattggtg tgagaacgat aaaactagcc 480

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<211> 506
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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gagaacacta aggtggctgt tgagagtggg gctgtgcgcc tgtgcccatc tttgtcaagc 180
tgctcaactc cctcaagcga ggatgttcgt gaataggcat gcactaaatt acaagagatg 240
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ttgntatgtg attgtgtgtg agataa 506

<210> 8820
<211> 648
<212> DNA
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<400> 8820

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tcattattcc acagtgtcga cttgtccta gtgccattat tccacagttc ctcccaccag 180
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<210> 8821

<211> 657

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C3

<400> 8821

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ttaatgctgt tcttagtctt atagatgata ttggggcttc atctcagct cctagacct 600
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<210> 8822

<211> 121

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C4

<400> 8822

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<210> 8823
 <211> 618
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-C8
 <400> 8823

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 ccacattgca cttgctcagg aaggccactg ccgaccaggc gaggttctcc tgggtactga 180
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 tgcaggtttt gtgatgggca ctggaaaggc tcttctcaag gtgccaccta ctatcagggt 300
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<210> 8824
 <211> 497
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-C9
 <400> 8824

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gggctgctgc ctacttaaa cagttgcttc cattcaacca actggctgtg tcaaactctg 240
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<210> 8825
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 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D1
 <400> 8825

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 cgggccctca agagaggctg ccgtggcgtg gagcgcaccc gtcgggtcga ctcgagcaag 180
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 aatgctggag agaccagcga tccagatgac ggcagtgtgc agtacctgag gaggaggctc 300
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<210> 8826
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D10
 <400> 8826

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 gcgtgccgcc aggtcctcga ccggcagcta accggcgggc gcggcgggcg cggcgttggc 240
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<210> 8827
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 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-D3
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 tgccacttct tgccatggtg cataggaag caaattgctg ggtatctgtc actgcgtgtg 420
 cagcagcttg atgtccgctg cgaacaaaag acaaaggata atgtcttcgt caatgttgtg 480
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 aacaccaggg agcaaaccga gtcatatgtt tttgatgtca tcagggcaag tgttccgaag 600
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<210> 8828
 <211> 75
 <212> DNA

<213> Zea mays
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<210> 8829
 <211> 648
 <212> DNA
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 <223> Clone ID: LIB3061-106-Q1-K6-D8
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 ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcggg 180
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 <213> Zea mays
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 <400> 8830
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<210> 8832

<211> 661
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cgctggtcgc tccacattgc acacctgttc ttgttgattc tggggaaggg aggagcaaaa 420
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<210> 8834

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-F3

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<210> 8835

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-F5

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<210> 8836
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 <213> Zea mays
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<212> DNA
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 <223> unsure at all n locations
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 cctcagtgcc agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag 420
 caccggtacc aggcgatctt cggcttggtc ctccagtcca tctgcagca gcagccgcaa 480
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 ggctgcagc agccgactcc atgccctac gctgctgncg gcgggtgtccc cactgaaga 600
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<210> 8838
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G3
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 caatgctcgc aagctcctat agcttcctt cttcccccg acctctcacc agcgggtgtcg 180
 ggggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cacagctggc 240
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 ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aacctgtcg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420

aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
 cccagcaat ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag 540
 cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgata 600
 caaccacagt tgttgccgtt ctaccagcac gctgcgccta acgctggcac cctcttacia 660
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<210> 8839

<211> 516

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G4

<400> 8839

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 atcgcgttgc tgggtggcgga gcagttcgag aagacggcaa ggcgagggcg ccccgggcggg 180
 gacagcggta gcgacagcgg gaccggcggc gagacgagga acttcggggc cgtggccaag 240
 gtgtggagct cttgggtgga gtccgcctcc gccgcgcgt cgggggtcag attcacgcgc 300
 gcgggtgcagc tggagcccaa gaccgggctc gcgctggcgc ccgcccagcg cctcttctcc 360
 gcctagcgtc ctgcttccat gtcttctcc tgagcagtgc cagtggctga gcgagtcctg 420
 ctctgcacc ccgtactatg tttgtgcgac ctgtacattt cgttcgtcgt tgcgcgggtg 480
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<210> 8840

<211> 159

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-G5

<400> 8840

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 aagttgggtg aatggcagca ttgaactctg ctgcttatt 159

<210> 8841
<211> 580
<212> DNA
<213> Zea mays

<223> . Clone ID: LIB3061-106-Q1-K6-H9

<400> 8841

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ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct gcttctggtt 180
gagggcaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 240
cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac 300
cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca cagttgttgc 360
cgttctacca gcacgctgcg cctaacgctg gcacctctt acaactgcaa caattgctgc 420
cattcaacca acttgctttg acaaaccag cagcgttcta ccaacaaccc atcattggtg 480
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ttgtggcttc ccagaaataa gaaagtacat ttctagattc 580

<210> 8842
<211> 542
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A11

<400> 8842

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gtggtaggat tcgtcaaagc atgttggtta aatggcagca attggtgttg ttgtaagaag 180
gcaacaatgt ttgccacatt atgtgggtag aatggcagca attggtgctg ttgcaagaag 240
gcattaatgt tttccacaac ctgtgggtta aatggcaaca attggtgttg tcgcaagaaa 300
gaagcaatgt tttccacagc ttgcaaattg aatggcagaa gctgttggtg cagtaagaag 360
gcatcagggc tcccgacaag ttggttaa atgtagtagtt gttgtgcctg caagtagaca 420

gcagggttca cccagctag ttgattgaat ggaagaaatt gttgttgctg gagataagca 480
gcaagggttcg ctgcaactac ttgattgatt gttggttagca actggttggtg tagttgttgt 540
gt 542

<210> 8843
<211> 603
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-N6-A2
<400> 8843

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gctgttgggg ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggttggtg tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360
gctagctgac tgaatggtag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
tggtgtagtt gttgtgcctt gatgttttgt gccacaaat gcaccaaagg taactgctgt 540
aatagggtg acggttgttg gaggaacaag gtgataaagg taagatgcct gctgcgattg 600
cct 603

<210> 8844
<211> 542
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-N6-A6
<400> 8844

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attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120
acagcacata gtttcttcag tgggggacac cgccggcagc agcgtagggg catggagtcg 180

gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
cgacctggcc gctttgcggc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
cctgggtaccg gtgctgcggc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360
actggcactg aggcgagcag tagggcgctcg ccgtcgggct gcactgatgc .ctcagaaact. 420
cgacgcactg gcccaggatc ggggtgctgc caacgccgca ggttccctgc agctggcacg 480
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cg 542

<210> 8845
<211> 191
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-106-Q1-N6-B11
<400> 8845

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tattacagtg taaatcataa aaaatctaga agatggcacc accattgttt tgggtggttgc 120
aataaggtgg ttggggggggg ggggggatgt tggctaaatg gtagcaattg ttgttgttgc 180
nagaaggcaa c 191

<210> 8846
<211> 536
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-106-Q1-N6-B2
<400> 8846

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gggaatatgt ccttctacac cacggaggag cagggctgcg agctcttctc ccgcgctggc 180
gagatcaaga agatcatcat ggggctcgac aagaactcta agaccccatg cggtttctgc 240
ttcgtactgt cctactccag ggaggatgct gaagatgctg tcaaatacat cagtggaacg 300

atgcttgacg atcgtccaat ccgtgttgat ttcgattggg gctttgaaga aggcaggcaa 360
 tggggccgtg gacgaagtgg tggacaagtg agagatgagt nccgtacaga ttatgatcct 420
 ggtngagggtg gttgcggtna gatggttcag agggaaactag nngctcanag agaactagtt 480
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<210> 8847

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B7

<400> 8847

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 aaaaggcacc taattttttt tgtttgttgc cgggacacga cagggttgat caaaaagaac 120
 cggttgtgtg gcatcaattg ttgctgctgt aagaaggcac cccccaatgg gtgggccact 180
 ggcaaaggat taagtgactg ttgaaactga tgtgggtacg cagcagaatt cgacatagtt 240
 agttggggga atggaagcag gtgtcgcaag taggcaacaa ggtttgccac agttagctga 300
 gttagagctg gaacaatctg atgcaacaat tcttgttgaa ggtatgtagg tgcattggcc 360
 acaaatagcg ggctaaatga aagcagttgt tgctgttgaa gggaagaaat tgggggtgac 420
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<210> 8848

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-C10

<400> 8848

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 ctttgctctt ccgtcctccc ccgttcatca caaatcacia agtataaaat acacttaccg 180
 agaagaattt caatataagt acaacatata tgcaggcaac agtgtccaaa atggtggtct 240

tggcctcttg gccttgaggt caaccactag gcgcgcgaat tggatgtct tcgatactct 300
 tttggaacat tatctcggtta ggttttaagc acccacgaat gtactcctgc ccaagttgtg 360
 ctgcctcggt gtccccgaac ccgaatacaa tgcccttatt tgtcactgcg acagtgtgat 420
 acagtccggt gcttatttgg gagacgtagt gatcctgcag gctctcaaga acgcggggcc 480
 tcattacttt gtctgatgtt cctcgggtcaa gaaaccctag actcccaaaa cccatccatc 540
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 cctg 604

<210> 8849

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C11

<400> 8849

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 ccagggtctg atccatgtaa ctctatataa gtctctatct aatatggtag aaaatagtta 180
 agataaaata aaaagaagaa aatttggttag atttggtctg ggtcatagaa aaattctgga 240
 tctgccccgg gtcataataa gacacatctc ttgtaattta gtgcatgcct attcacgaac 300
 atcctcgctt gagggagttg agtagcttga caaagatggg cacaggcgca cagcaccact 360
 ctcaacgacc acctagtgt tctctgatgt gcctgatgca atgttggtga gtgcccatgc 420
 agcctcaaac tggagttggg gatggctctc acgtgtaaga aactcaatga atcgcgacac 480
 cactcctgtg ctgatcacct ctcc 504

<210> 8850

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C2

<400> 8850

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ccattgtcga gtacatctca tatgtaatct aaaagaggca cctccaacga tgggttgctg 120
caaggcaggg ttcatcaaag agaactgggt gtatggcagc aattgttggt gctgctgcag 180
gaaggtagcg accaatgggt tagccactgc caatggatta agtaactgtt gtcgctgttg 240
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gtagacggca gggttcacca tggctagttg actgagcact ggcataaact gttgcagctg 480
ttgttggtgc tggtagcag ctacgttcgc cagagcaagt gggttggatg caagcagctg 540
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<210> 8851

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C4

<400> 8851

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tttttctccc catggtccgc ctgttggggg ggggggggtg cctgggtcat ggggggctcc 180
cgcgcgggat tggtaggtgt tgcctcccc ttacgggttc ggcccgggcg ttccggccgt 240
cacgctgggc gtctgtgtgg gtgccgtgct ttgccctgtc tgcctttcgt tccctggccc 300

<210> 8852

<211> 536

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D1

<400> 8852

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ttagataagt acacaggtag tttaaaagaa gatggtatat ttacaggtgg atttcagata 120
tttccctga agagctttgc atggtcaagg aacatccgag ttttcgtaac ttggcattct 180

ctgttttggtt actaagagct gatcagagga cgatgaactc aaagcaaaca acagggcctt 240
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 ctcgcttggtc tccgacaagg ctcgatcagt tatggcctct ggctcccagc cttgcattcc 360
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 ctgcatcatc tcttgaatt gccgcgcctc cctctccacc agcgcttctc cgctacgcag 480
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<210> 8853

<211> 75

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D5

<400> 8853

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cgatctagaa ctagt 75

<210> 8854

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D7

<400> 8854

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120

gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180

gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240

gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300

gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360

ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420

agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480

agttgttgta gttgttgctg cctgatgttt tgtgccaata aatgcaccaa aggtaactga 540

tgtaataggg ctgatgattg ttggaggaac aaggtgataa agta

584

<210> 8855

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E10

<400> 8855

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aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120

cctgttgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180

gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240

gcaacagggc tcacatcagc tagctggctg aatggtggta gctgttgctg ttgtaaataa 300

gcagcagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480

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<210> 8856

<211> 229

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-E11

<400> 8856

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gggntgacac tgccgttact catctgccgc taaacgagtg aactagctgt agccctatag 180

gtagctagtc agcggctcca ttacattatt actacagaac atagtttcc 229

<210> 8857

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-106-Q1-N6-E9

<400> 8857

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atgacacca ctgaagcagt ctctcactca gtcaatggat acagacacct gagcggcagg 180
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aaccggctaa tgaatctttt gtcctccct tcccagaat caacaagaac aggtgtgcaa 480
tgtggagcga ccagcgccctt gttctgacct aggggctgct gctccagttg agacggcaca 540
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<210> 8858

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F3

<400> 8858

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gctgctgggt ttgtcaaagc aagttggaca aaggcagca actggtgcag ttgtaagagg 180
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agtgtagaca gttgggtgaa tggaagaaat tggtgtgtt gagagtaggg agaaaggttt 480
gccagagcta cttggctgat cactggtagc acgagttgtt gcagctgttg tgccctgatg 540

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585

<210> 8859

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F8

<400> 8859

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atagtttctt cagtggggga caccgccggc agcagcgtag gggcatggag tcggctgctg 180
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gccgctttgc ggctgctgct gcaggatgga ctggaggacc aagccgaaga tcgcctggta 300
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atcgggctgt tggcacgggc atgggtgtgg ctggggatga ggctgaggcc ggggcggntg 540
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<210> 8860

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F9

<400> 8860

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gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
caccgccggc agcagcgtag gggcatggag tcggctgctg caggccgcac atcgccgtca 240
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gcaggatgga ctggaggacc aagccgaaga tcgcctggta ccggtgctgc ggctccacct 360

gcctgagctg ctggcaacac tgctgccgca acgactggca ctgaggcgag cagtagggcg 420
 tcgccgtcgg gctgcactga tgccctcagga actcgacgca ctggcccagg atcggggtgc 480
 tgccaacgcc gcaggttccc tgcagctggc acgggcttgg atgcggctgt tggcacgggc 540
 atgggtgtgg ctggggatga ggc 563

<210> 8861

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-G12

<400> 8861

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 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggccg cacatcgccg tcagttgctg 240
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 ggactggagg accaagccga agatcgcttg gtaccgggtg tgccggctcca cctgcctgag 360
 ctgctggcaa cactgctgcc gcaacgactg gcaactgagg gagcagtagg gcgtcgccgt 420
 cgggctgcac tgatgcctca gaaactcgac gcaactggccc aggatcgggg tgctgccaac 480
 gccgcaggtt ccctgcagct ggcacgggct tggatgcggc tggtggcacg ggcattgggtg 540
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<210> 8862

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G4

<400> 8862

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gaagcaggac gctaggcgga gaagaggccg tggcgggcgg ccagcgcgag cccggtcttg 180
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 acccaagagc tccacacctt ggccacggcc ccgaagtcc tcgtctcgcc gccggtcccg 300
 ctgtcgctac cgctgtcccc gccggggggcg cctcgcccttg ccgtctttct gaactgctcc 360
 gccaccagca acgcgatgtc cgccatcctc tctctcgat ctgctgggct cgctgacgac 420
 gatctcactc tgctcttgct ggttggtgct ctgctctagt gctctggtga ctgtggaagc 480
 tgtctgtgaa aactgcg 497

<210> 8863

<211> 136

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G5

<400> 8863

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 tgtttgaggg ggaagtatct aagggggggg gggggggggt ttataaaatt ttaataaaaa 120
 aatgggggtgg gggggg 136

<210> 8864

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-H1

<400> 8864

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 tcttgcgctc cccccctttc ggggttttcc ggggggggtn cccccctctt gtgtttctcc 180
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 cccctctgtg ggtggctttg ggctcctgcc ctggttgccc cccccctctt ggtgcctggg 300
 ggggggtccc cctccccctt ggtggggggg gtgcgcccc cctggtttct tgcgggcccc 360
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gggttttttg

430

<210> 8865

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H11

<400> 8865

agaatctaga aaagtacttt cttatttctg ggaagccaca aacatcatcc aaaaacttca 60

ttattgaact ataactcata agcaatctaa aacagggcac caccaat 107

<210> 8866

<211> 587

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H6

<400> 8866

catccaaaaa atttattatt gaattacaac taataagcaa tctaaaagag gcaccaccaa 60

tgatgtgttg ttggtaggag gctgctgggt ttgtcaaagc aagttggaca aagggcaaca 120

attgtttagg ttgtaagagg gttgcggggg tagccgcaaa ctgctggttag aaaggcagca 180

actgttgctg tgtcaagaag gaagcacggc ttgctgcagc tagctggcta aatggtagta 240

atatttgctg ctgcaaataa gcagcgaggt tcagtgcggc caattgggta aatggaagaa 300

gttgttgttg atgagagtag gcagtagcta gctggctgaa tggtaatagt tgttgctgca 360

aataagcagc aggggttcagt gtagatagtt ggttgaatgg aagaaattgt tgttgctgat 420

agtagggaga aaggtttgcc agagctactt ggttgatcac aggtagcacg agttgctgca 480

gctgctgtgc cttgatgggt tgtaccaatg actgcaccaa agatagggct ggcgattgtt 540

gaaacaaggg tgataaaggt atgttgcttg ctgcgattgc ttgttgg 587

<210> 8867

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A10

<400> 8867

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ctgtcgggtg aggccgctgg cgcggcgctcg tcgtcggcct cggcctcggg gctcaacggc 180
gccgtggact ggtggcgga cgtcaacgag tcgccgctgt ggcaggaccg catcttccac 240
gcgctcgccg tgctctacgg catcgtctcc gccgtcgcgc tggccaatt gatcagaatc 300
gagtgcaggg tgccagagta tgggtggacg acgcagaaag tggtccattt cctaaacttc 360
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cctgagataa tacagcatgt gttctagat atgcctgggc ttgcattctt cacaacatat 480
gcacttctag tgctcttctg ggcagagatt tattatcagg cacgtgcaat gtccactgat 540
gggcttagac caactttcta ttggatcaat agcgtgggtt atgcaattca gataatcctn 600
atggttggtt ttgtggtngg aaaccagttc gaattatggt catcttgtca aaa 653

<210> 8868

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A11

<400> 8868

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acaatcgcca gccctatctt tgggtgcagtc attggtacaa accatcaggg cacagcagct 120
gcagcaactc gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctccctactc 180
tcagcaacaa caatttcttc cattcaacca actgtctaca ctgaaccctg ctgcttattt 240
gcagcaacaa ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact 300
tcttccattt aaccaattgg ccgcactgaa ccccgctgct tatttgagc agcaaatact 360
actaccattt agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt 420
gctgcctttc taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt 480
gttgcccttt gtccaacttg ctttgacaga ccgagcggcc tctaccaac aacacatcat 540

tgggtggtgcc ctcttttaga ttgcttatta gttgtaattc aataataaag ttttttggat 600
 gatgtatgtg gcccaaccag 619

<210> 8869

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B1

<400> 8869

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 tgttgaatgc aattttcaag cttgctgttg agtatcctca cgcggaacaat ttagctggcg 180
 aggagacaag gcagcgattg agtaccagga tgagtctatt caatgtcgct gaggcaacaa 240
 ttacaagatc ctagaagaaa acccgtggca gctctacact acaataaggg tgataaatat 300
 gtctcgccca atggaagata tcatatttag acatgatcaa ggtagcaaga tgttgacccc 360
 atgggtcctt ttggtggaat aatgatagag tgcggcacca atcaacctat tgagaaaatg 420
 ctttcaactt gaaaaatccc ccccggggtt tttttcaatt ttttaaaagg gtgcccccaa 480
 aagagttttt tttttttccc cccccctt ttttttttg ggtgtttctt ttgttctctt 540
 gggtgttttt tttccctttt tttctttttc tctctttttt gggttggttt tttttttttt 600
 tgtctt 606

<210> 8870

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B10

<400> 8870

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 gtgcatctcg atccacatcg gccaggcccg tatccaggtc ggaaacgcgt gctgggagct 180
 gtactgcctc gagcatggca ttcaggctga tggtcagatg cccggtgaca agaccattgg 240

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gggaggtgat gatgctttca acaccttctt cagtgagact ggcgctggga agcacgtccc 300
ccgtgctgtt tttgttgacc ttgagccac tgtcatcgat gaggtgagga ctggcaccta 360
tcgccagctc ttccatcctg agcagctcat cagtggcaag gaggatgcag ccaacaactt 420
cgctcggtg cactacacca ttggcaagga gattgttgac ctgtgccttg accgcatcag 480
gaagcttgca gataattgca ctgggtctcca gggcttctc gtcttcaacg ctgttggtgg 540
aggaacgggc tctgggcttg gttctctct cctggagcgc ctgtctgttg actatggcaa 600
gaagtccaag ctcggtttca ccgtgtaccc at 632

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<210>      8871
<211>      584
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3061-107-Q1-K6-B3

<400>      8871

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agaggatgac gcaaggaagt acttccagca gctgatcaac gctgtcgatt actgccatag 120
ccgaggcgctc taccaccgcy atctcaagcc tgaaaatctc ctgcttgatg ctagcggcac 180
gctcaagggtt tcggattttg gactgagcgc actatctcaa caagtccgag aggatgggtct 240
gctgcacaca acctgtggaa ctcccaacta tgttgctccc gaggttataa acaataaggg 300
ctatgatgga gctaaggctg atctgtggtc atgtggagtg attctctttg tcctcatggc 360
ggggtacctc ccatttgaag attcgaacct gatgtcgctc tacaagaaga tcttcaaagc 420
ggatttcagt tgcccgtcct ggttctccac aagcgcaaag aagctcatca agaagatact 480
tgatcctaata gctaacaata gaataactat tgcagagctc attaacaacg agtgggttaa 540
gaaggggtat cagcctccca gatttgaaac agcagatggt aatc 584

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<210>      8872
<211>      654
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3061-107-Q1-K6-B4

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<400> 8872

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcagtat 180
gtgaaaaccc aattcttcaa cctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc cttgttctc caacaaccgt cagccctatt acagcagta cctttggtgc 300
atttggtggc aaaaacatc agggcacaac aactacaaca acttggtgta gaaaacctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gccaaactagc tgttgctctac cccagcaat 480
ttcttccatt caaccaacta gcaacattga actctgctgc ttatttaca cagcaacagc 540
taccaccatt caaccagcta gctaattgta gccctgctgc cttcttgaca caacaatagt 600
tgttgtcggt ctacctgcac gctgcgcta acgctggcac cctcttacac tgca 654

<210> 8873

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B5

<400> 8873

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tacttgcaac agcagctgct tgcattcaac ccaattgctc tagcaaactg agttgcaaac 120
cagcaacaac aacaactgca acagtttctg ccagcgctta gtcaactagc catggtgaac 180
cctgcccgtt acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 240
gcacctacat acctgcaaca agaattgttg caacagattg taccagctct aactcagcta 300
gctgtggcaa accctgttgc ctacttgcaa cagctgcttc cattcaacca actaactatg 360
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ttgatgaatc ctgtcttctg gaggcagcaa cccatcggtg gaggtgccat cttttagatt 540
acatatgaga tgtactcgat aatggtgccc tcataccggc atgtgtttcc tagaaataat 600

caattattgg ttgagattta tctcgat

627

<210> 8874

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B6

<400> 8874

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aagctggaca tgtccgcgct cgagaccaac ttgcccaacc tgaccgcctc cgccggcgac 120

gacacgtact tctccgccga ggcccccgac gtgccgtcca tgggtgctccc catctcgac 180

gacttcgacg gcttccaggc ggccaccaag gatatgggtga agaataagaa ggggacgacc 240

acgcttgccct tcatcttcga caagggcgct atcgctgccg ctgattccag ggccagcatg 300

ggcgggttata taccctcaca aaccgtgagg aaaattattg aaataaatcc ttacatgctg 360

gggacaatgg ctggagggtgc tgctgattgc caattttggc ataggaacct aggaaccaag 420

tgctcgtctcc atgagctttc aaacaagcga aggatctcta ttgctggtgc ttccaaactg 480

ttggctaaca tcctttattc atatcggtgg atgggactgt cgattggtac aatgatcgct 540

ggatgggatg agaagggctc tggcttgtag tatgttgaca gtgaggggtgc gcggctcgtg 600

gggaacagtt ctctgttggc tctg 624

<210> 8875

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-B7

<400> 8875

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cagctgtttg ggaacgggat gccggtgccg ttctacggcg agatgttcgt cctcgtccgc 120

gacggcgtcg agttccacgt cgacaagatc ccgtcagctc ctggagggtca tgtgaaaaca 180

aaaggcaciaa ttacctgtc caatataagg atgggtgtttg ttgccagcaa gcctgttggc 240

aacttctttg cttttgatat gccactgttg tttgtgcatg gtgagaagtt caatcagccc 300

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 cagtctgctg ctaacatggc accgcgtgtg gatcctctgc aagccgcgca gactcctgtc 540
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 caacctgccc 610

<210> 8876

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-C11

<400> 8876

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<210> 8877

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-C7

<400> 8877

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tacgcgactc gccgcagaaa gagagccgag gacggcagcg acctctcgct ggcgtcggat 180
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tggaacctgct catgaaagta cttgctagac cagatctgcc attctatctc tatacagtac 600
ctccaaaaag cgaatactgg acacatcac 629

<210> 8878

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-C8

<400> 8878

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agatcatgtc tggctcattg gttttacacc cgagggtgag agggcgcgtc tagattntgt 540
gttcaagnat gaatanagag tgtaccgggn ggaacctttc atatacatat nggtctggtg 600

tcatgggtt

608

<210> 8879
<211> 653
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-C9

<400> 8879

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aatgctcaca agctcctata gcttcccttc ttcccccgta cctctcacca gcggtgtctt 180
cgggtatgtga aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttccctccaac aatcatcagc cctattacag cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
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cccaacaatt tcttccattc aaccaactgg cagcattgaa ctctcctgct tatttacagc 540
agcaacaact actaccattc agccagctag nctgggtgtga gccctgctac cttcttgaca 600
caaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccc 653

<210> 8880
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-D10

<400> 8880

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cgggtcagaa agtgcgtgaaa tccttcttgc acaagatcta caggcagaag taggggtgctc 180
gtgggtaaac gagctcagga gtcgttactc cttcgcatgc ttgacataac cggacttcct 240

cacctgggtg ctctagtatg atgtggagcg tctagttaaa aaaaatcgat gtagtatgaa 300
gcaccttgct gctctgaata ttaacaggca attaaggcaa ggtgctgttt cggtttggtg 360
gaccgcatgt tgcagataat aaattagttg ttttgtcnaa aaaaaacaaa gtttcataca 420
tatgatgata aaaaaaaaaa aaataacg 448

<210> 8881

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D11

<400> 8881

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caattgctgc catttagcca actcgctttg acgaatccta ccaccttatt gcatcagccc 180
accattggtg gtaccatctt ctagattttt tatgctttat actgtaataa taaattttctc 240
atactgatat gtgcaacttc tcagtaataa aagattaaaa aataaaaaaaaa aaaagaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
acaagcaaac tataaaaaaaaa cctatatacc taactcttaa aaacaaaaaaaa aatgtaaaag 420
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<210> 8882

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D12

<400> 8882

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ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctacct 180

ccagcaattt cttccattca accaactagc agcattgaac tctcctgctt atttacagca 240
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accacagttg ttgccgttct accagcacgt tgcgcctaac gctggcacc ctttacaact 360
gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagtgt tctaccaaca 420
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<210> 8883

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D3

<400> 8883

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ctcacaagct cctatagctt cctttcttcc cccatacctc tcaccagcgg tgtcttcagt 180
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tgctgcttat ttgcaacaac aactaccatt cagtcagcta gctgctgcct acccccagca 480
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<210> 8884

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D4

<400> 8884

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 cccggttggt cattgggttg ttggttggt acagatcggg cgttaccga ggcacgtgat 180
 cagcctgttc ttccggctgc tgtatccgtg gtactggcct tcctcttgc ggaacttcgt 240
 gatgacctgt gccatgaccg tgtactacta catcctgaac ctgctgggtg cgtgttgga 300
 gaacctgagg cggcccagtc accggagaac gcacggtgaa tgaagacgcg gcagcccatc 360
 cagtggcacc ttgtgttgtt gttgttggtc atttttcttt cgtttgcgcg agtgggttag 420
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 tgctgtactt gttcagttga tgttcatata ggaagagccg aagaggaacg gctggtaatg 540
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<210> 8885
 <211> 574
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-D5

 <400> 8885

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 tttccctcaa tgctcacaag ctccatagc ttcccttctt ccccatacc ttccatcaat 180
 gatagcttca gtatgtgaaa acccagctct tcaaccctat aggcctcaac aagcaatcgc 240
 agcaagcaac atacctttat cacccttggt tcaacaatcg ccagccctat ctttggtgca 300
 gtcattggta caaaccatca aggcacagca gctgcagcaa ctggtgtac ctgtgatcaa 360
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 ccaacttgct ttgacaaacc cagcagcatt ctaccaacaa cccatcattn ggtgggtgcc 480
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 ctcccagaa aaagaaatac atttctagat tctt 574

<210> 8886

<211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-D6

<400> 8886

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tccacaatgc tcaattgctc cgagtgccat tattccacag ttcctcctc cagttacttc 180
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cgtcttagaa caaccaattg cccaattaca acaacaatcc ttggcacatc taaccataca 300
aaccatcgca acgcagcagc aacaagcact gagccaccta gccgtggtga accctatcgc 360
ctacttgcaa caacagctgc ttgcatcaa cccacttgct ttggcaaacg tagctgcata 420
ccaacaacaa caacagttgc aacagtttct accagcgcctc agtcaactag ccatggtgaa 480
ccctatcgcc tacctacaac agcaacaact tctttcatct agcccgcctc ctatgggcaa 540
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<210> 8887
 <211> 560
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-D7

<400> 8887

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attattccac aatgctcaca acaatacctc tctccggtga cagccgcggg atttcaacac 180
ccaactatac aatcctacat gctacatgag gccatcgtag caagcatctt acggtcatta 240
gcattaaccc tccaacagcc atatgcccta ttgcaacaac catccttagt gcatctgtat 300
ctccaaagaa tcgcgacaca acaactacaa caacagttgc taccaacaat caatcaagta 360
gttgcagcga accttgctgc ttatctccag caacaacaat ttcttccatt caatcaacta 420
  
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gctgggggtga accctgctgt ctacttgcag gcacaacaac tactaccatt taaccaactt 480
 gtcggggagcc ctgatgcctt cttactgcaa caacagcttc tgccattcca tctgcaagct 540
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<210> 8888
 <211> 658
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 tcctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
 acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg tgcatttatt 300
 ggcacaaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
 tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
 accattcage cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 600
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<210> 8889
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 8889

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attccacaat gctcacttgc tcctagtgcc attattccac agttcctccc accagttact 180
tcaatgggct tcgaacacct agctgtgcaa gccaacatgc aacaacaagc gcttgcggcg 240
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aacgtagtgtg caaaccagca acaacaacag ctacaacagt ttctgccaac gctcagtcaa 480
ctagccatgg tgaaccctgc cgctacgta caacaacaac aactgctttc atctagcccg 540
ctcgctgtgg gcaatgcacc tacatacctg caacaacaat tgttgcaaca gattgtacca 600
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<210> 8890

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F10

<400> 8890

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ctggattttc tccaaatgaa gaaattgagc tgtacgagga aattaagttt gagccaaatg 180
tgatgtgcga acatattgac aagaaactta ctttccgctc tagtcagctt gaagacggag 240
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ttgttgagag agttgcacat caacttgggt tggatgatcc atcaaagata cggcttacgt 480
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<210> 8891

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-F11

<400> 8891

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aattttccct caatgctcac aagctcctat agcttccctt ctcccccat accttccatc 180
aattatagct tcaatatgtg aaaaccagc ttttcaacca tataggcttc aacaagcaat 240
cgcagcaagc aacatacctt tatcgccctt gttgtttcaa caatgccag ccctatcttt 300
ggtgcagtca ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct 360
gatcaaccaa gtagctctgg caaaccttcc tccctactct cagcaacaac aatttcttcc 420
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tagccagcta gctactgcct actctcagca acaacaactt cttccattta accaattggc 540
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<210> 8892
<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F5

<400> 8892

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ggccgagcga gcgggagcag atgcggaagg gcaactacaa gcagacgggtg gacgccgagg 180
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gcctccagaa gaagcgccgc gatgggttcc ccgcccgcg cgccgtgccg ccgatgggcc 300
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ccaacgacc cactgtgcag cttgaggcca ccacgcagtt caggaagctg ctctccatag 420
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tccttacacg tgaggaccat ccacaactcc agtttgaggc tgcattggcg ctcaccaaca 540
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<210> 8893

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F6

<400> 8893

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 gcgggtacgg caactccgac gggaactgga ggaactgagc ggtggggccc gcgcggccaa 540
 gttatcctgt tcgctaccgt gttgtttacc ctagtcaga gtgtttatct tcgttcgtct 600
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<210> 8894

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-F8

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tggatatgttt tattttgttc ttgttgcata cctgattttt ttggttcttt ttattttctac 240
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<210> 8895
 <211> 635
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-K6-G10
 <400> 8895

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<210> 8896
 <211> 550
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-G3

<400> 8896

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ccgccgcctc cggatctggt ctgtccgcct ggtgggggtgg ccttcaccga tccaacaaag 180
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<210> 8897

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-G4

<400> 8897

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tatagcttcc cttcttcccc cgtacctctc accagcggtg tcttcggtat gtgaaaacct 180
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gcaacaacaa caactacat tcagccagct acctgctgcc taccctcagc aatttcttcc 480
attcaaccaa ctggcagcat tgaactctcc tgcttattta cagcagcaac aactactacc 540

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<210> 8898

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G5

<400> 8898

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gagagtgcgc agaattgttc aggtctatca ccgccaaagct attcagctgg agtgcagtct 180
gagggactgg atgaccttcc acattcccat aagtttgccg ttggtactag agttcaagct 240
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<210> 8899

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-G6

<400> 8899

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catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa cagttgctgc 180
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cctttgtcca acttgctttg acagaccgag cggcctccta ccaacaacac atcattgggtg 300
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 <211> 616
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-G8
 <400> 8900

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 caactcagtc aaagaaaaga gctagtccta ctgttggttaa tagccactg aagcgctcaa 420
 agaatcccat ggtaagggtc atgaataaga ttcataatac tttggagatc aattgcaata 480
 tttcaaacia agtaatcctt ggtatgccgt cacaaaagcc ttttgcattg cctttgtcat 540
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<210> 8901
 <211> 590
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-K6-H10
 <400> 8901

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tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtct gtgaaaaccc 180
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ccttgttcct ccaacaatca tcagccctat tacatcagtt acctttgggtg catttattgg 300
cacaaaacat cagggcacaa caactacaac aacttgtgct agcaaaccctt gctgcctact 360
ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 420
tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caattttcttc 480
cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactadtac 540
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<210> 8902

<211> 503

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-H5

<400> 8902

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ctcctatagc ttcccttctt ccccatatac tctcaccagc ggtgtcttca atgtgtgaaa 180
acccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
atttgaaca acaattacca ttcagccagc tagttgctgc ctacccccag caattttcttc 480
cattcaacca actagcagca ttg 503

<210> 8903

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A3

<400> 8903

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ccaaaaaatt	ttttttcttt	atttataatc	ccttccaatt	aaaaggggta	attaaggtat	180
ttgctaacac	tgccccccag	gggggggggg	aaaatttctt	ttttaatggc	cgtaaagga	240
aaaaactacc	gggttgggta	ttttgtcagg	ggttccttta	cttttttctt	ccagcccatt	300
ttttcctaaa	aaaaaaaaac	ccccggaatt	ttttttaaaa	gggaaggaac	ctgttttttt	360
aattttaagg	ccaaaaatcc	cccgaagttt	ttgggtttacc	tgggccccaa	taaaccccga	420
aagttcccct	tgggtttttt	tttaaaaaaa	gaactccaaa	cccacccctt	ttttcccttg	480
gaaccgggga	aggggttcca	cctgcctaata	ttggggggaaa	aatttttttt	gaaacccttg	540
gaatttgga	aagcctaagg	ggttcccccc	cgggtttaat	tgggccttaa	aaaacttaac	600
ccattgccc						609

<210> 8904

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A5

<400> 8904

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ggtagaacac	tggtgggttt	gtcaaagcaa	gttggttgaa	tggcagcaat	tggtgcagtt	180
gtaagagggt	gccagcgta	ggcatagcgt	gcaggtagaa	cggcaacaac	tggtgttggt	240
tcaagaaggc	agcagggctc	acatcagcta	gctggctgaa	tggtagtagt	tggtgctgct	300
gtaaataagc	agcagagttc	aatgctctag	ttgggttgaat	ggaagaaatt	gctgggggta	360
ggcagcaact	agctggctga	atggtaattg	ttggttgcaa	taagcagcag	agttcaatgc	420
agccagttgg	ttgaatggaa	gaaactgatg	ttgctgagag	tatgcagcaa	ggtttgctag	480
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ctgctgtaat	agggtga					558

<210> 8905
 <211> 558
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A8

<400> 8905

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aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac  120
actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgtag ttgtaagagg  180
gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtgggtg tgtcaagaag  240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa  300
gcaggagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca  360
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agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca  480
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ttgtaatagg gctgatga                                     558
  
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<210> 8906
 <211> 590
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B5

<400> 8906

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gctgcctcga caagacagga ttcacaaag agaaccggtt gtatggcagc aattgttgct  180
gctgtaggaa ggcagcgacc aatgggttag cactgcca tggattaagt aactgttgct  240
gctgtttagt gtacgcaaca gagttcgaca tagttagttg gttgaatgga agcagctgtt  300
gcaagtaggc aacagggttt gccacagcta gctgagttag agctgggtaca atctgttgca  360
acaattcttg ttgcaggtat gtaggtgcat tggccacagc gagcgggcta gatgaaagca  420
gttgttgctg ttgtaggtag gcggcagggt tcaccatggc tagttgacta agcgctggca  480
  
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gaaactgttg cagttgttgt tggtcctggg ttgcaactac gtttgctaga gcaagtgggt 540
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<210> 8907

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D10

<400> 8907

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 cagcaccttg ccttaattgc ctgttaatat tcaaagtttt ttgggggttc atactaaatc 180
 gat tttttttt aactagacgc tccaaattat actagagcaa ccaggtgagg aagtccgggt 240
 atgtcaagca tgcgaaggag taacgaactcc tgagctcggt tatccaaaag caccctactt 300
 ttgcctgtaa attttgggca agaaggattt cagcactttt tgaaccgcaa tgcttgggtg 360
 ggcttaaatg tctgcaatca gctttttgta gctttcattc tcgtactcct gaaataccgc 420
 ctttaggtca agttctttgt agagggttctt aacttttgcc acac 464

<210> 8908

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D12

<400> 8908

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 taagaggggtg ccagcgttag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg 180
 caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 240
 taaataagca ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 300
 ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 360
 tgaacctagt tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 420

tagcacaagt tgggtgcattt attggcacaa aacatcaggg cacaacaact acaac 475

<210> 8909

<211> 385

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-E4

<400> 8909

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tttttttttt tttttttttt tttttttttt ttttgggggg ggggtttttt tttttttttt 180

tttttttttt tttttttttt ttttgggggg ggggnnggttn nnnntttttt ttgttttttt 240

tgggggggnnt ttttgggggg ggggggggnnn tttgggggng tttttttttt tttgttttgg 300

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ttgggggnnt tttttttttt tttttt 385

<210> 8910

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G10

<400> 8910

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agatgatgat gatgataaat tataaaagca acagtgggcg ggagagcgta gcttgtacgc 120

ctgcctcctc cattttccca cacggcttta gtttttttgt cttcttgctt gccggctcgc 180

aatcagggtc acgcacggca tgacatgcca gcctgacccc acaaacatcg cacacgacgc 240

ctgacctaaa aagcgcgccc cggatgcaac aactcccagg accatgatca cgatacaact 300

gcaacggcac ggtgaccgga gacacctccc ctccaaggc cgccgacgac gactagctgt 360

tccgttccgc cgtacttggg ggtagtagac tagtagtaac agcagcagtc tagtggtagt 420

agagcatagt atagtactgt agacgatggg gaccgagccg agtagcgccc cagccagcca 480

gctccaattg cgggcagggc acggatcccc atcggttagc tgtactggac gaaggagcgg 540

tagaaggtgt tggggcgcca gttggccggg atgacgttgt tggcgacgag cgtcttg 597

<210> 8911

<211> 290

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-G2

<400> 8911

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ggcctnngggg tgcgtttttc tttgttgggg tggggtcgcc tttcttgetg ngncacctcg 180

gctggggggc ctnnccgggc ngcgnncccg tgtctggcgg gtgcngccct gggggccttt 240

cngcttntgc cggggtgcnt gtcgccggcg ctgggngcgg cggcgccggt 290

<210> 8912

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G8

<400> 8912

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gatccaacag gtccacaact tgtccacaaa gggacagtac aacagaggat ccggaaattt 120

gatctactag ctatgtcca tgccattgta cataaactac cgacacgtaa aacagaaatc 180

atcaaccaat gcaaaagtct ggtcagcttc tctgcaatct ccactctcca ctagcgaata 240

tggtgtgcgt tctactatcag tagccctggg actcaaaata ccaccatgcc agcaggatgc 300

ctcaaagata gcacatgcac tgctctcgag gtccacacac ctccctccgt ctttactcct 360

tagatgcact ggcggcaggg cttttctttc cgcctatacct ctgctttcct atgtggaatg 420

ggacatactt gtacttgatc atatgcacaa tttgtcgctt cattgtcagg acaaaaagca 480

caatccaata acagagaagt attggccaaa agacaggaac gtcgaatata gagaagaagg 540

tcatgacaaa ggcaatgcaa aaggcttttg tgacggcata ccaaggatta ctttg 595

<210> 8913
 <211> 599
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-H10

<400> 8913

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agaaatgtac tttcttattt ctgggaagcc acaaacatca gacaaaaaac tttattgatt   60
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cgctgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag  180
ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggtt gtatcaagaa  240
ggtagcaggg ctacaccag ctagctgggtt gaatggtagt agttgtcgct gctgtaaata  300
agcaggagag ttcaatgctg ccagttgggtt gaatggaaga aattgctggg ggtaggcagc  360
aggtagctgg ctgaatggca gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc  420
tagttggctg aatggaagaa actgctggtt ctgagagtag gcagcaaggt ttgctagcac  480
aagttgttgt agttgttgtg ccctgatgct tcgcgccaat aaatgcacca aaggtaactg  540
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<210> 8914
 <211> 539
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-N6-H2

<400> 8914

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cgctagcagc ttgccaaca ttattattgt tcgctggggg gccctgcatg ggctattggg  180
ctggctgctt ccttgacgcg cacatgcata tagcacactg gaaaacttgc acctatctac  240
aacggccggc gctgctcatg gatgatatat actacgcttg ctgcatagcc atcttgcgcc  300
gccgggcatg catgcatgcg gcacgacgta cggcgatacc tagacgcgcc atctaaatgg  360
  
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ccggcccgcc ggccggccgg ggcacttgcc ggtggtaaag gtaaggctgt cgtcgtcttt 420
 ttcttgtctg cttttggatt ggggtccga tcccaagcca agggcgctgc gcgggtcaat 480
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<210> 8915

<211> 538

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-A1

<400> 8915

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 tatgtcctt gctctttctg catgtgttg taacgogaca attttccctc aatgtcaca 120
 agtcctata gcttccctt tttcccata ccttccatca atgatagctt cagtatgtga 180
 aaaccagct cttcagccct ataggctcca acaagcaatc gcagcaagca acataccttt 240
 atcacccttg ntgtttcaac aatcgccagc cctatctttg gtgcagtcac ttgtacaaac 300
 catcagggca cagtatctgc agcaactcgt gctacctgtg atcaaccaag tagctctggc 360
 naacctttca ctctctggg agcgncaaca ataactacc ttcaacctac tgtgtacact 420
 gaacctgct gcttattggc agcatcaact attaccattc agacagctag ctactgccta 480
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<210> 8916

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-B10

<400> 8916

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 gtcctatag cttcccttct tccccatac ctctcaccag cgggtgtctt aatgtgtgaa 180
 accccaattg ttcaacccta caggatcaa caggcaatcg caacaggcat cttaccatta 240

tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt ggtccatttg 300
 gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgca 360
 tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 420
 tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca gcaatttctt 480
 ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
 ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca acagttggtg 600
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<210> 8917

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-B12

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 ttctgacacc attgacaacg tcaaggccaa gatccaggac aaggagggca tcccccgga 180
 ccagcagcgg ctcatctttg ctggcaagca gctcgaggac gggcgcacac ttgccgacta 240
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 ctctgtcaag accctcactg gaaagactat caccctcgag gtggagtctt ctgacaccat 360
 cgacaacgtc aaggccaaga tccaggacaa ggagggcatc cctccagacc agcagcggct 420
 catttttgcc ggcaagcagc tcgaggacgg gcgcacgctg gccgactaca acattcagaa 480
 ggagagcacc ctccacttgg tgctgcgtct caggggcggc atgcagatct tcgtgaagac 540
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<210> 8918

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-B6

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caagatactt tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctctatagc tttcccttctt ccccatacc ttccatcaat 180
gatagcttca gtatgtgaaa acccagctct tcaaccctat aggctccaac aagcaatcgc 240
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gtcattggta caaacatca aggcacagca gctgcagcaa ctctgtctac ctgtgatcaa 360
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ccaactatct acactgaacc ctgctgctta ttgacagcaa caactattac cattcagcca 480
gctagctact gcctactctc atcaacaaca acttctttca tttaaccaat tggccgcact 540
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<210> 8919

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-C1

<400> 8919

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ggagctcgag aacggcgtcc tgtgggaggt cgagggaaag tgggtcacc aaggtcctgt 180
tgatgtggac attggtgcc aatcatccgc cgagggtggt gaggacgaaa gcgttgatga 240
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gtcttaagga gatc 554

<210> 8920
 <211> 576
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-108-Q1-K6-C5

<400> 8920

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 aggctacggc ggcgcttacc atgttctcag agaaggtgtc ctggatgacg tgtctgccat 180
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 gcttcttgtt gcccgcaaaa ttgatccct ccaggctgca gtggctcttt ttcacgttca 420
 tgaaaggagg tgatgcttac aacgtcattc cagagtcagc atccttcggc gggaccttca 480
 ggagcttgac aacagaaggc ttttcgtatc tcatgaagag gatcaaagag atcatagaag 540
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<210> 8921
 <211> 602
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-108-Q1-K6-C6

<400> 8921

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 ctctattggt gagngagtca catttggtc atggtaaaca agtgggcatg gagcgctgaa 180
 agagaaccac tggcttgatg atggagcata cttatggtc aaacttttga ataaacttgc 240
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 ccttgaagaa gctgatgtga cagttgaaat aaggttaaag attgatcaga atcatgcaga 360
 tttgaaagga gggtccttcc gtgactatgg agaatccgtc ttgagacatt tagagaatgc 420

aatcagcaaa gacccaaatc tccataaagc cccggtgaac catgagggcg taaggggttc 480
 aggatatggt ggggtggttct tgctgaggct ctctctgcat gatcctgttc tccccctaaa 540
 cattgaggca cagagtaacg atgatgcgat taagctgggg cttgcgggtc ttgctgctgt 600
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<210> 8922

<211> 523

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-D1

<400> 8922

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 cgtgnaccta caactacttt catctagccc gctcgcggcg ggcaatgcac ctacgtacct 180
 acaacaacag ntgctgcaac aaattgtacc agctctgact cagctagctg tggcaaacc 240
 tgctgcctac ttacaacagt tgcttccatt caaccaactg gtttgttcaa actctgctgc 300
 gtacctataa cagcgacaac agtnacttaa tccattggca gtggctaacc cattggctgc 360
 taccttctctg cagcagcaaa tcaactnggt gcgatacaaa cagttccctt tgatgaacc 420
 tgncttgtag caaccatcn ttggagggtg catcttttag attacatatg agatgttctc 480
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<210> 8923

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-D12

<400> 8923

atgcaccaac ttgtgctagc aaaccttgct gcctactctc agcagcagca gtttcttcca 60
 ttcaaccaac taggttcatt gaactctgct tcttattgca acacattttt tttttagcnc 120
 gctacctgct gcctgcgggg ggggggttct tccattcaac caactagcag cattgaactc 180

tcctgcttat ttacagcagc aacaactact accattcagc cagctagctg gtgtgagccc 240
 tgctaccttc ttgacacaac cacagttggt gccgttctac cagcacgttg cgcctaacgc 300
 tggcaccctc ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaccc 360
 agcagtgttc taccaacaac ccatcattgg tgggtgccctc ttttagattt cttatgagtt 420
 atagttcaat aat 433

<210> 8924

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-D5

<400> 8924

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 agctagctgg tgtgagccct gctaccttct tgatacaacc tcatttggtg ccgttctacc 180
 agcacgctgc gcctaacgct ggcaccctct tacaactgca acaattgctg ccattcaacc 240
 aacttgcttt gacaaaccca gcagcggttct accaacaacc catcattggg ggtgccctct 300
 ttttagatttc ttatgagtta tagttcaata ataaagtttt ttgtctgatg tttgtggctt 360
 cccagaaata agaaagtaca tttctagatt ctt 393

<210> 8925

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-E12

<400> 8925

gtcgaccag cgtccgggtt caacaccagc cggggtggac cttgaccgtg acgcagggga 60
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 cgctgtgatc cccgacatgc agaagcttgg catcaaggat aagaacgaag cagcgaggat 180
 cgttgcgctc gttaagaatc aaactactgc cgctgccgct actgctgcca gtgctgacaa 240
 cgacgacgac gaggcctgat caatgcaacg acacatcatg atctgctgct gcaacttaatt 300

actatgttcg tatacaaata aatacacccg gcgtagcgcg tggttccttat atgggtctaaa 360
atgtagccag taaattttta actacttttat ttc 393

<210> 8926

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-F11

<400> 8926

cgttcgtacc aacatagnaa agcacaatag tgtaccaaca atggcagcca aaatattttg 60
cctccttatg ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgaatg 120
ctcgcaagct cctatagctt cctttcttcc cccgtacctc tcaccagcgg tgtcttcggt 180
atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt 240
acctttatca ccttggttcc tccaacaatc atcagcccta ttacatcagt tacctttggt 300
gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct 360
tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc 420
tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca 480
gcaatttctt ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca 540
acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc 600
ac 602

<210> 8927

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-F2

<400> 8927

ctcccgtttc gtttctcccc ctcgctcccc agccgcatct cgagcgcgct ctcggcgggc 60
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cctangtcgt acccagcgaa gcgcggcgctg ccacgggggtg ggggttggtc cgggaccatc 180

gagcctgtcc ggaatttttt ctggcgcggtg atttgccgct gagaaagcat cggaaaaggg 240
aacggggatt tactctcagt agccgcgagc taccaccgt cccctggtcg attcagtga 300
aatcctccag gtttctgggt cttaatggct tcctcagata tctctgttga tattcgtcct 360
gacataaact catttgatca ttttttaagc atgcgataca ttgcaacaga tncaccctgg 420
ctgaaattan atggaataag agttcagcct gtgccaccat tcagcagttt gagctacaaa 480
cctgaaccag cgctcattca tnattgccta cctgatgaac taatgctcga gattnttaca 540
agaaggagcc natatacttt agggaaggct gcatgtgtct gccgcaagtg g 591

<210> 8928

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-108-Q1-K6-G1

<400> 8928

cgtttcgccc taggtctgac gctgtggcgc ggcgcgctca gcaacagctc cacgcgtagc 60
gtgatccgct cactccgccg tcaccgaccc gggcccgcgc gtcggttgct tcgctcggtg 120
gagacgacga tctccgcctg gtggtatcag acgtcgttac tttcaagacg gcgaggcaac 180
gtactaaacg ggcagtaagg gaagcaggaa ctctcgggg taagggcgaa cgcggttact 240
gatgcagctc caagcatcag ctgcgtgtcc ttcgagccgg caagtagcac gggacctcag 300
tatctcgatt atgtggctga ctggctgcag gggagacggg ctagggnaac ac 352

<210> 8929

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-G3

<400> 8929

aactaccatt cagccagcca cctgctgcct acccccagca atttcttcca ttcaaccaac 60
tagcagcatt gaactctcct gcttatttac agcagcaaca actactacca ttcagccagc 120
tagctggtgt gagccctgct accttcttga cacaaccaca gttgttgccg ttctaccagc 180

acgttgcgcc taacgctggc accctcttac aactgcaaca attgctgcca ttcaaccaac 240
 ttgctttgac aaaccagca gtgttctacc aacaacccat cattggtggt gccctctttt 300
 agatttctta tgagttatag ttcaataata aagtttttta tctgatgttt gtggcttccc 360
 agaaataaga aagtacattt ctagattcta a 391

<210> 8930

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-G9

<400> 8930

aatcaatcaa gtagttgcag cgaaccttgc tgcttacctc cagcaacaac agtttcttcc 60
 attcaatcaa ctagctgggg tgaaccttgc tatctacttg caggcacaac agctactacc 120
 atttaaccaa cttgtcggga gcccttatgc cttcttactg caacaacagc ttctgccatt 180
 ccatctgcaa gctgtggcaa acattgttgc tttcttgaga caacaacatt tgttgccatt 240
 ttaccacaaa gttgtgggaa acattaatgc cttcttgcaa cagcaacaat tgctaccatt 300
 ctaccacag aatgtggcaa acattgttgc cttcttacia caacaacaat tgctaccatt 360
 tagccaacat gctttgacga atcctaccac cttattgcaa ccgcccacca ttggtggtgc 420
 catcttctag attttttatg atttatactg taataataaa gttctcatgc tgatattgtc 480
 gacctctcag taataaagta ttagagatct atattttt 517

<210> 8931

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-K6-H1

<400> 8931

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 gcgacaggag ggaggaggga aggagacggt cgatcagagt ctgagacgga ggccgatcca 120
 ccaccgcagc gacgagcggg aggagatgaa gatcatcatt gacacggatc ccggcatcga 180
 tgacagcgtg gccatcctga tggcattcca gatgccgggc gtccaggtcc tagggctcac 240

caccatcttc ggaaactgca ccacagagca tgccacacgc aacgccttga tcctgtgcga 300
gaaggcaagc catctagagg tcccagtagc tgagggcagc catgagcctc tcaagggagg 360
aaagccgcac gttgttgact tcgttcatgg acctgatggc ctcggaacg tagatcttcc 420
tgatcccact atcaagaaag tggaggaaag tgctaccgac ttcttggttg ataaggcttc 480
gcgatttcct ggagaggctc ctgtgctcgc cttgggtact ctgacaaaca tagcattggc 540
catcaagaag gatccctcat tcgtgaaaaa ctttaag 576

<210> 8932

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A1

<400> 8932

tcggtttagcg gattacaatc tgaacaacag accaacaatg gcgaggcagg actcatacac 60
tattcagcaa cttgctcttt gtgtatgagc tgataacgcg acaataagag tcaccgctaa 120
caagctgcta taggttagat gccgctcggc acgctaaatc agtgggtggat agggcatcag 180
aaaacgcagc tgtaaaaggg tatagggttc aacacgcaac tgctggaaga aagatacctt 240
cagcagcctt gttgataaaa aaatacggca gccctatatc taggtgcact aaatgggtac 300
aaaccatgat ggcacagaaa atgaaggaaac ttcagctacc tcaaatcaac caatgaaata 360
aggcaaacct gtctacatac tctaagcaac aacaatttgt atcattaaac caactgtcta 420
caatgaaccc tgggtgcttat ttgcaacaac aactattacc aaaaaaaca gctagctact 480
g 481

<210> 8933

<211> 500

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A3

<400> 8933

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atgatcgtaa cacctgtctc ctaccaatat ggtgagagaa ctgtgggtcc ctatccaaaa 120

ttgatccgg tccgattgt ctaagtctga gattatgatt tgagagagaa ctccctagaga 180
 ttgggcctca tggaagagct ttataagtgt tgattctctt cgatgctatt acaatgggtt 240
 gtgtttgatc gatactagct gtgatgtctc taaataaaaa cgctgttggtg tgcaatatat 300
 gctgggttgg aagattatga ccatttagag gctggcgtga tctataatgc tgtactatta 360
 gatgcggtgc ttgaggtata tgctcttttt gatgcatgga taggctactg gaactgaatg 420
 agagacatat tgtgctcaat aatgagattc ctggtggaaa gaacatgaac cgttctgggtg 480
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<210> 8934

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-A8

<400> 8934

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 gtgtctgata attgcaatga gtacaattta aattcttaaa cgaggatgca ttggagggca 120
 cgtatggagc acagacagcc gaggccattg gcagctccaa tagcgactat gaaagtagga 180
 ggagataaaa tagctaattgt ttggaccttg agccgtggct gtcagcactc ttaacgggtta 240
 gaaccgaccg ggtcgaccgt tctacccggg aagctctggt cagcataact tggcgggtag 300
 agcgttcgag gccgttactt ttaagaaatt agagtgtca aagcaagcca tccatgtgga 360
 tacattagc 369

<210> 8935

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-C1

<400> 8935

tcagcgttcg tcgtcttagg cccttcgtct ccactagcaa tcgtaattcg acggcgcttg 60
 agcatgttgg gttatcagga tctcttatct ggcgattagc tgctgaaggc ttcattcacc 120
 tactatgagc tggatatcgg cgtcctgcgt gaggtggacg gaaagtgggt caccatagct 180

cctgtacgtg tggacattgg tgctccttca tacctcgagg gtaggtgaag gagagaagcg 240
 tttatgacac acatgcttgg gatgggggta ttccagacac acttcgtcct tagtggcctc 300
 ctccctttaga catgaaagga tcttcgtcct gctaagaaaa acttggttgc accctctaca 360
 ccgtttgtga actcatacgg tttctctggc tacaac 396

<210> 8936

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-D1

<400> 8936

tgggtgctg cttgctttcg acccatttgt tttggggcaa gtcgtggctt accagcaaca 60
 acaacaggtg ctacagttaa tgccagagct caatcgacta gccatggaga accctgaacg 120
 ttacctataa ctgctttatt ttccggatca ctgtgggcat tgacgccacc attcctataa 180
 caccagttgt tgtaacataa gaaatcgagc tctgactcaa ctggctgtgt gcaagcctgc 240
 tgccacttta caacaggtgc ttccattcaa ccaactggct gtggcaaact gtggtgcgta 300
 cctacaacag tgaccactgg cacttaattc 330

<210> 8937

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E1

<400> 8937

ttagctttcg gtttcagaaa aggcctatct tgttcctggg atggcagaca attattcaaa 60
 taacttatgc ttgttggtt atttataagt gctgttaacg aggcacgctc catgattggt 120
 tacaggctga tatatgttgg ttttttcaaa gatacgtgtg agaatggcag tcttttagtgt 180
 gtgaaaacga aggtgttaaa ccttagagca tccaagcagt aaaacgagca caactgttac 240
 cttgataaca atggaacatg gctcaaactg agctagccta tttcaatggt tacatttggt 300
 gcttttgttg taacaaaaca taaatgctca tcaacatata acaactttgg ctaagaaacc 360
 ttgcttacta ctctcatcaa cagcatgatg tttcattcaa ccaactggct gcattgaaat 420

ttgatggtta tt

432

<210> 8938

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E10

<400> 8938

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tgcattcata tgatttgtga aactccagtt atgtttgttt tactgtggct gattctgttt 120
acctgacaaa aagagtgggt ctgtacactg gtgggtttca tctagtaa at ggccgaattg 180
gctcttccaa ctatggatac tttttagag ggataaaagt tcttacttc agcagaattt 240
cataatTTTTT ggttcagtag ttaggtgaga tatacgaatt ttaaagttaa ccatactgct 300
gactaaaaca gattcagtc gttatcttgt cagatgtttt agaacttgta gatggcagat 360
tttaattatt ctattgcaat actgcaagtt gtagagcatt ccgtgtagat actcctagag 420
tattcgtttg atatcaccgc tgttttaatt ttaaagatac aaaattaaca aacagcgttg 480
ctgctgtatg gcatgtgggt caggggtggca gtctttccac tgcgtcttgg gtttaaaacc 540
acgagtgttt tgatgattga tggcaa 566

<210> 8939

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E12

<400> 8939

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cgaacaggga cagccgtgc aggtggatct tggagtggac tgtaccctt aacgggtggga 120
tccgatgatt gcataagctt ggcttgaatg atgataacga gcagcgagga tgcgtgtgct 180
cgtaagaat gaaactactg tcgttggcgt ttctgctggc agagctgaca tcgacgatta 240
cgaggtctga ttaatgccac gacacatcat gatctgggtgc tgaactta at tactatgatc 300
gcattcaa at gaatacactg gagatactgc ggcgtttctt atatggttta aaatgtagcc 360

aggaaattgt aaactacttt atttttag

387

<210> 8940

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-E8

<400> 8940

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ttacaactgc accatttgc gccatacaac tcaacttggc ctgccacacc gatgggtggc 120

ctgccagaac gctcatatgg gtggcgcccc tcgttttagat gtatggatag agttatgagt 180

gcaattgtaa ggggtgccag ctgtaggctc aggcttccca taaataagaa acaaca 236

<210> 8941

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-G6

<400> 8941

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ttagtgccgg atcttaaaaa catgttaggc gtgtgaatct tagaggttgt gcaagttgca 120

ctgacaatca ggtgcggata ctgaaatctt ttagctgctg gtaggacaaa aggccacttg 180

tacaacagcc tggagtgatg aaactgggta cacagatctc atggaaaacc ccgggggccc 240

cagccacaat gcaagatttc atcgaagaga tgacaaatgc tggcgtgatg gaagaaatgg 300

tcaacgtatg ctttagatat caactctgga agaacaggac attgatgtag gaaattgaat 360

aggagggtga catggtccta agtggaatca ctggggagac cgcctttgag ctcccggatg 420

ctg 423

<210> 8942

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-G7

<400> 8942

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tgatgcaaac ttggccctca ctgagcagcc ttccaagttt gatttttatg atccaaaaac 180
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tggagtctgc tcacgtgtca gctctggatg tgaactcaag gactccgtga tgatgggagc 360
ggacacctat gaaactgaag aagaagcttc aaagctactg ttagctggga aggtcccagt 420
tggaatagga aggaacacaa agataaggaa ctgtatcatt gacatgaatg ctaggattgg 480
gaagaacgtg gtgatcacia acagtaaggg cat 513

<210> 8943

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-108-Q1-N6-H1

<400> 8943

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gacgcgtcag gagggagggg ggatgggtccc gggaaccaga gtttgagacg tggccgatgc 120
accgcttagc gactagcggg aggagatgaa gtatcataat tggcacggct tctgggtgtg 180
gtgaccgcgt ggccatactg aaggcgcttc acatgtcggg cgcgagctc ctaaggctca 240
ccaccatctt gggcaactgg accgcacatg atgccccaca caacggcttg atcctgtgcg 300
agaggcatga catctactag gttcaagtac ctgtaggtag acatgagcct gtcacagaag 360
gaaagccgct cgttgctgac tacgctcttg gacctcgtgg actgctgaag ccagactttc 420
gctgatccca ctgtccagaa cgtggaggaa agtgctaccg actccttagg agataagggtg 480

<210> 8944

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A1

<400> 8944

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tttaacgcga ccatttttcc tcaataactca caagcctcct attagctgcg cctttctccc 180
ccattacctt ccaatcaatg accgcttnta gtatgtngaa aaccagccc ttcaacccta 240
caggatccag caagcaatcg caacaagcaa cttaccttta tcacacctgt tctttcaaca 300
atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc atcagggcag aacagttgca 360
gcaactcgtg ctaccagtga tcagccaagt agctctggca aacctttccc cctactctca 420
gcaacaacaa ttgtgccaat tcaaccaact tgctttgaca aaccaacag cattctacca 480
acaacccatc attgggtggg cctctcttta gatttcttat gagttatagt tcaataataa 540
atcta 545

<210> 8945

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A11

<400> 8945

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tccttatgct ccttgggtctt tctgcaagtg ttgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcggtg tcttcaatgt 180
gtgaaacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattcttac 240
cattatcacc cttgttctc caacaaccgt cagccctatt acagcagtta ctttgggtcc 300
atttgggtggc aaaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
ttcttccatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctgatgtga gcctgctgc cttcttgaca caacaacagt 600

tggtgc

606

<210> 8946

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-A12

<400> 8946

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gctcctatag ctcccttct tccccgtac ctctcaccaa cgggtgtctt ggtatgtgaa 180
aaccaaatte ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
tcaccttgt tctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta 300
ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt 480
cttccattca accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
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<210> 8947

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-A8

<400> 8947

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aaaccgaata tatcttttagg gcttggttcg ttttaggtga attcctctct aatccttctc 240
aatccatttc taatcaaaca gaccttacta ttcaaatagt aagggatttt ggctccttga 300

gtcccccttca ttacatctgg tcctaaacga gccttttaggg gatagactgt ttggtttgg 360
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 aaggtttagat atattgtgat gtccttagct ataaaactaa acagtcgtcc tttaatatgt 480
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<210> 8948

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-A9

<400> 8948

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 gctccaagtt ccattattac acagttcctc ccaccagtta cttcaatggg cttegaacac 180
 ccagctgtgc aagcctatag gctacaacaa gcaattgcgg cgagcgtctt acaacaacca 240
 atttcccagt tgcaacaaca atccttggca catttaacaa tacaaccat gctaactcaa 300
 catcaacaac aatccctacc aatactgaac cacctagcca tgcagaacct tgccgcctac 360
 tctgaaacag gagtcgcttg catcaaacct a 391

<210> 8949

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-B1

<400> 8949

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 ttatgcttta tactgtaata ataaagttct catactgata tgtgcaactt ctcagtaata 180
 aaagattaga gatctatatt ttaagttc 208

<210> 8950

<211> 449

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B11
 <400> 8950

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 tgctttgaca aaccagcag cggtctacca acaaccatc attgggtgtg cctcttttta 360
 gatttcttat gagttatagt tcaataataa agttttttgt ctgatgtttg tggcttccca 420
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<210> 8951
 <211> 596
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B12
 <400> 8951

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 tctccgtgct cgcggtgcc agcgcacgcg ccgggacctc ctgctgcccg ggggtgggcca 180
 tcccgcacaa cccgtccccg agctgccgct ggtacgtgac cagccggacc tgcggcatcg 240
 ggccgcgcct cccgtggccg gagctgaaga ggagatgctg ccgggagctg gcggacatcc 300
 cggcgctactg ccggtgcacg gcgctgagca tctcatgga cggcgcgatc ccgccgggcc 360
 cggacgcgca gctggagggc cgcctagagg acctgccggg ctgcccgcgg gaggtgcaga 420
 ggggattcgc cgccaccctc gtcacggagg ccgagtgcga cctggccacc atcagcggcg 480
 tcgccgaatg cccctggatt ctggcgggcg gaacgatgcc ctccaagtaa ctgcgaagag 540
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<210> 8952
 <211> 491
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-B2

<400> 8952

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 tgctcgccgg ccacaatatc gtgggtagcg gcggggagca gttcggagga gacgcgcggt 180
 gcgtcaggat caacatgctg gacagggaca acgtgtcga catgctcgtc cagcgctctt 240
 cctctataaa ctgaacggag tgaatgcatg gagtggcaca gcagcctgca ttgccacaaa 300
 taaaatgaac ccagaaggat ttggtgtctt tttcttttgt cagtttggtta tcttgggtcc 360
 tggtagagaa actttgtttc ggtttgcttt ngatgctttg gactgaactg tgtgtcaact 420
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 aaaaannaaa a 491

<210> 8953
 <211> 502
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-109-Q1-K6-B4

<400> 8953

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 gcaacaacag ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc 180
 tgctgcctac ttgcaacagc tgcttccatt caaccaactg actgtgtcga actctgctgc 240
 gtacctaaa cagcgacaac agttacttaa tccactagcg gtggctaacc cattgggtcgt 300
 tgccttecta cagcagcaac aattgctgcc atacaaccag ttctctttga tgaaccctgc 360
 cttgttgtgg cagcaaccca tcgttgaggg tgccatcttt tagattacat atgagatgta 420

ctcgataatg gtgccctcat agcggcatgt gtttcctaga aataatcaat atattgattg 480
agatttatct cgatatattt ct 502

<210> 8954
<211> 604
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-B6

<400> 8954

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ctcctggtaa cgcgctgctc aaggttacta gatctgggta gtcaccgttc agagttgggt 180
tctgttcct ggggcgcttc ttcttacgtt cgcaggcgga gcgtccgtgg aggaggcagc 240
ggggtattga tggaagtggg acccttgatg gacagacact ggttcccctt ggctggacag 300
atttcaaact gaatatgagg ttgtctctat cagcagcaag ggaagaaaac ttgacggtta 360
atcctggaag atggcgagtg ctctatcttg gagacttggg agatggcgaa tcttgggaaga 420
acaatcaaaa gaatggaaac accttgccac agtaatagcg ccagaacagt cgtcgatggc 480
ttcaagctcc tacttgtgtt tccgggtgtt ggctgttgcg gctgtaaaag gctggagtca 540
gcatgtacgg ctgtaccatg ctgggatcan gcggcggtg taccctgctg gactaggcgg 600
cggc 604

<210> 8955
<211> 575
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-C12

<400> 8955

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gcccctgcgc ggggctgcag ggcttgtacg gcgctggcgc cggcctgacg acgatgatgg 180

gcgcccggcgg gctgtacccc tacgcggagt acctgaggca gccgcagtgc agcccgttgg 240
 cggcggcgcc ctactacgcc ggggtgtgggc agacgagcgc catgtaccag ccgctccggc 300
 aacagtgtctg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
 agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
 tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagtaccag ctgcccagct 540
 accgcaccaa cccctgtggc gtctccgctg ccatt 575

<210> 8956

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C2

<400> 8956

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 gtgctcactt gctcctagt gctcctattcc acagttcctc ccaccagtta cttcaatggg 180
 cttcgaacat ccagccgtgc aagcctacag gctacaacta gcgcttgccg cgagcgccct 240
 acaacaacca attgcccaat tgcaacaaca atccttggca catctaacc tacaaaccat 300
 tgcaacgcan caacaacaac ancaacagtt tctgccatca ctgagccacc tagccgtggn 360
 gaaccctgat cacctacttg caacagcagc tgcttgcatc caaccactt gctntggcga 420
 acgtagctgc ataccagcaa caacaacagc tgnaacagtt tatgccagt ctcagtcaac 480
 tagccatggt gaaccctgcc gtntacctac aactactttc atctagcccg ctcgcggtgg 540
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<210> 8957

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C4

<400> 8957

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tgctgcttat ttgcagcaac aactattacc atttagccag ctagctactg cctactctca 180
gcaacaacaa cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca 240
gcagcaaata ctactgccat ttagcgagct agctgcagca agtcgtgctt cttcttgac 300
acagcaacag ttgctgcctt tctacaagca gtttgccgct aaccccgcaa ccctcttaca 360
actacaacaa ttgttgccct ttgtccaact tgctttgaca aaccagcag cctcctacca 420
acaacacatc attggtggcg cctcttttta gattgattat tagttgtaat tcaataataa 480
agttttttgg atgatgtatg tggccaacca gaaataagaa gttacatttc cagattctaa 540
aaaaaaaaa aaaaaaaaaa anaaaaa 566

<210> 8958

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C5

<400> 8958

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tctgaggcta cactgagatt gaaaatgtca atgctgtatt tcttacacat caaatgaag 120
aaatacagca ttgacatttt gatgtgtaag aactacaaaa aagtggagat gttctacgaa 180
aatgaaata tgctaacttg cattctgttc aatgatttga aaggtaattg gtgtatataa 240
gcagagttct ctgacagac 259

<210> 8959

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-C7

<400> 8959

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 cccctcgggc cctcctcca tccccggcg ggcggagcca gcagccggcc tgcagttttt 180
 cagctttata atggatccca acatgaagca gcttcaagag gctctggttg atattgagac 240
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 tggtaacagg gaggtctga cagcccttcg gaaacaagcc aggacgtcca agactagcgt 360
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 aaaggagata tgccaacgt gtggagatca tgacccaag gaacatactt ggctaattgtt 480
 tctggatca gatatgtttg cccgtgttcc atttcatgtg gcacacactg ttgtggaaaa 540
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 actt 604

<210> 8960
 <211> 600
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-C8

 <400> 8960

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 cacaaaacat cagggcacia caactacaac aacttgtgct agcaaactt gctgcctact 360
 ctcagcaaca gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt 420
 tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 480
 cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac 540
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<210> 8961
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-C9

<400> 8961

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ccaagttcca ttattacaca gttcctccca ccagttactt caatgggctt cgaacaccca  180
gctgtgcaag cctataggct acaacaagca attgcggcga gcgtcttaca acaaccaatt  240
tcccagttgc aacaacaatc cttggcacat ctaacaatac aaaccatcgc aacgcaacag  300
caacaacaat tcttaccagc actgagccac ctagccatgg tgaaccctgc cgcctacttg  360
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caacaacagc tgcaacagtt tctgccagcg ctcagtcaac tagccatggt gaaccctgcc  480
gcctacctac aacagcaaca actgctttca tctagcccg cgcgtgtggc caatgcacct  540
acatacctgc aacaacaatt gttgcaacag attgtaccag ctctgactca gctagttgtg  600
gc                                                                 602

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<210> 8962
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-D10

<400> 8962

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gtgctacctg tgatcaacca agtagctctg gcaaaccttt ctccctacta tcagcaacaa  180
caatttcttc cattcaacca actatctaca ctgaaccctg ctgcttattt gcagcaacaa  240
ctattaccat tcagccagct agctactgcc tactctcatc aacaacaact tcttccattt  300
aaccaattgg ccgcactgaa cctcgctgct tatttgcagc agcaaatatt actaccattt  360

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agccagctag ctgcagcaag ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 420
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caaccaactt gctttgacaa acccaacagc gttctacca caacccatca ttggtggtgc 540
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gga 603

<210> 8963
<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D11

<400> 8963

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caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat 420
tgaactctgc ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac 540
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<210> 8964
<211> 600
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D2

<400> 8964

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cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 540
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<210> 8965
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-K6-D4

<400> 8965

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attatgtttg gtccagataa atgtgggtca accaacaagg ttcatttcat ccttaagcac 480
aagaatccta agactggaaa gtatgttgag catcacctca aattcccacc ttctgtccca 540
tacgacaagc tctctcatgt ctacacagct atcttgaagc cagacaatga ggtcagaatt 600
ttgatcgat 609

<210> 8966
<211> 517

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D7
 <400> 8966

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 ccacaatgct cacaacaata cactctctac gggtacagcc gcgggatttc aacaccaag 180
 gggggggggg tacatgctac atgaggccat cgtatcaagc atattacggt cattagcatt 240
 aaccctccaa cagacatatg ccctattgca acaaccatcc ttattgcatc tgtatctcca 300
 aagaatcttg acacaacaac tacaacaaca gttgctacca acaatcactt caagtagttg 360
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<210> 8967
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D8
 <400> 8967

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 gcggcgacat caaccaccac cacaacatca ccagcagcag caacaccaac aacaacaagt 240
 tcacatgcaa ccacaaaaac atcagcaaca tcaacgaatt catgttcaac aacaacaaca 300
 acaaccgcag caccaccagc aacatcaact tcaacagcac caacaacaac atcaatgtga 360
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 ttgagcacca cc 432

<210> 8968
 <211> 588

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-D9
 <400> 8968

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 caccattgga cacagggttt agttccattg cctggaccca tcaatgaatc atggtgccaa 420
 ggtcttgatg gttcgacttc aaggactga tattctccag gactattgtt agcatccctt 480
 gtgggtccatc tgcattagca gtgaagaaag tgcgatgggg acttgcttga tatgttgta 540
 ttgctcagat ttgtctttcg tactggcacc acatcataga catggctg 588

<210> 8969
 <211> 543
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-E10
 <400> 8969

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 tatgctcctt ggtctttctg caagtgttgc taccgcaacc attttccac aatgctcaca 120
 agctcctata gttcccttc tcccccata cctctcacca gcggtgtctt caatgtgtga 180
 aacccaatt gttcaaccct acaggatcca acaggcaatc gcacacaggc atccttacca 240
 ttatcacctt tgttctgca acaaccggca cacctattac agcagttacc ttaggtccat 300
 ttcgtggcac acaacatcac ggcacaacaa ctacaacaac ttgtgctagc acaaccttgc 360
 tttatacttt cagaaacatc ctgtacttcc attcaaccaa ctgtctgcat tgaactatac 420
 tgcttatttg caacaacaat taccatccat ccagtttaga gctgcctacc caccacattt 480

tcttgcattc aacacaacta gcatgtttga actctgctgc ttatgtacag cactcacaac 540
tac 543

<210> 8970

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E11

<400> 8970

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tttccctcct tatgtcctt gctctttcta catgtgttgc taacgcgaca attttccctc 120
aatgttcaca agctcctata gcttcccttc tcccccata ccttccatca attatagctt 180
cagtatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca 240
acataccttt atcgcccttg ttgtttcaac aatcaccagc cctatctttg gtgcagtcac 300
tggtacaaac catcagggca caacagctgc agcaactcgt gctacctgtg atcaaccaag 360
tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac 420
tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattt agccagctag 480
ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcactgaacc 540
ccgctgctta ttgacagcag caaatactac tgccatttag cgagctagct gcagcaagtc 600
gtgcttc 607

<210> 8971

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E5

<400> 8971

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tccttatgct ccttggctct tctgcaagtg ctgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc tttcttcccc catacctctc accagcgggtg tcttcagtat 180

gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagca ggcattctac 240
ctttatcacc ctgttctctc caacaaccgt cagccctatt acagcagtta cctttggtgc 300
atttgttggc acaaaacatc aaggcacaac aactacaaca acttgtgcta ggaaaccttg 360
ctgctacttc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gtcagctagc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga actctgctgc ttatttataa cagcaacagc 540
taccaccatt cagccagcta gctgatgtga gccctgttgc cttcttga 588

<210> 8972

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-E6

<400> 8972

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cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt ccattattcc acaatgctca 120
cttgtctcta gttccattat tccacagttc ctcccaccag ttacttcaat ggccttcgaa 180
caccagctg tgcaagccta taggctacaa caagcgattg cggcgagcgt cttacaacaa 240
ccaattgcc aattgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 300
caacagcaac aacagttcct accagcactg agccacctag ccatggtgaa ccctgtcgcc 360
tacttgcaac agcagctgct tgcattcaac ccacttgtc tagcaaactg agttgcaaac 420
cagcaacaac aacaactgca acagtttctg ccagcgctta gtcaactagc catggtgaac 480
cctgccgcct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 540
gcacctacat acctgcaaca agaattgttg caacagattg taccagctct aactcagcta 600
g 601

<210> 8973

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E7

<400> 8973

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tgctccttgg tctttctgca agtgttgcta ccgcaaccat tttcccacaa tgctcacaag 120
ctcctatagc ttcccttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
ccccaattgt tcaaccctac aggatccaac aggcaatgc aacaggcatc ttaccattat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
atttgcaaca acaattacca ttccagccagc tagttgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa c 591

<210> 8974

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-E9

<400> 8974

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gctccttggg ttttctgcaa gtgctgctac ggcgaccatt ttcccgcaat gctcgcaagc 120
tcctatagct tcccttcttc cccgtacct ctcaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
acccttggtc ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttgtg ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctacccc agcaatttct 480
tcattcaac caactagcag cattgaactc tctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600

gccgttc

607

<210> 8975

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-F10

<400> 8975

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actctgacag cttgcacggg agctgccccg taatcgaagg ccagaagtgg tccgcaacta 120

aatggatcca tgtgaggtea tttgacctcc ctgtgaagca gccgggttcc tctgacggat 180

gcgaggacga caatatactc tgccccagc gggcagctgt ggggtgagtgt gccagaacc 240

ctaactacat ggtggggacc aaggaagctc ctggcttctg ccggaagagc tgcaaagtat 300

gcgcagagta aggtagtagc ctgctgtctg atatgtgtca tggcgtgttg cgtagtagtc 360

tgctgtttgg ataccgactg gagtatagca tgtatgaagt agaaccgga agaaggaatc 420

gtacgacagc cgagttatct gataacttgt ctcttggtgg aaatgaaagc gttccttaat 480

taagcgaaaa aaaaaaaaaa aaggtggccg ctct 514

<210> 8976

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F12

<400> 8976

gggnnnaaaa tgggtgcngn ngtagcagca ctttgcagna aggaccaatt cttcaaccct 60

acaggatcca acaggcaatc gcagcaggca tcttaccttt atcacccttg ttcctccaac 120

aaccgtcagc cctattacag cagttacott tgggtgcattt gttggcacia aacatcaagg 180

cacaacaact acaacaactt gtgctaggaa accttgctgc ctactctcag caacagcagt 240

ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa caacaactac 300

cattcagtca gctagctgct gcctaccccc agcaatttct tccattcaac caactggcag 360

cattgaactc tgctgcttat ttacaacagc aacagctacc accattcagc cagctagctg 420

atgtgagccc tgttgccttc ttgacacaac aacagttggt gccgttctac ctgcacgctg 480
 cgcctaacgc tggcaccctc ttacaactgc aacaattgct gccattcaac caacttgctt 540
 tgacaaaacc aacagcggtc taccaacaac ccatcattgg tggcgccctc tttt 594

<210> 8977

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F2

<400> 8977

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 ttcttgaggc atcagtgcag cccgacggcg acgccctact gtcgcctca gtgccagtcg 120
 ttgcggcagc agtgttgcca gcagctcagg caggtggagc cgcagcaccg gtaccaggcg 180
 atcttcggct tggctctcca gtccatcctg cagcagcagc cgcaaagcgg ccaggtcgcg 240
 gggctgttgg cggcgagat agcgcagcaa ctgacggcga tgtgcggcct gcagcagccg 300
 actccatgcc cctacgtgc tgcggcggt gtccccact gaagaaacta tgtgctgtag 360
 tatagccgct ggctagctag ctagttagt catttagcgg cgatgattga gtaataatgt 420
 gtcacgcac accatgggtg gcagtgtcag tgtgagcaat gacctgaatg aacaattggn 480
 natg 484

<210> 8978

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F3

<400> 8978

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 gtggccggcg gtggcgcg gtgaccggcg gccggggcct catggcgagg cacctggtgg 120
 ccgcgtgct gcgctccggc gagtggcttg tgccgggtcac cgacctcgcc ccggtatgctg 180
 tgctcggcct cggcgacacc gaggacgtcc togatgacgc cctccgtgat ggccgcgccg 240

tctatgcctc agcggatgtc tgcaacctag accagcttat tcaagctttt gaaggggttg 300
 aggttggttt ccacacagct gctgcggatc caagcaagaa cgaccagcaa cttcactata 360
 aggtcaacgt tgaggggaca aagaacgtgg ttgatgcgtg catgatttgc aaggtgaaaa 420
 ggcttatcca caccagctct attgctgnnt gtgttcgacg gagttaatgg gcttctcgat 480
 gcaaataaat cattgccata cccaacaag tttcctgatg cgtatggaca aaccaaggca 540
 gaagcagaaa aganagtcac gaaggctaata ggcattagtgc gccttct 587

<210> 8979

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F4

<400> 8979

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 gctgatcggt gcccttgctc tcctggcgct cgctgcgagc gccgcctcca gtacaagcgg 120
 cggctgtggc tgccagacac caccgittca tctaccgctt ccgttctata tgccgcctgc 180
 ggtgtatctg ccgcccagc agcagccgca gccatggcaa taccctactc aaccaccgca 240
 gctaagcccg tgccagcagt tcggatcctg cggcgctcggc agcgtcggca gcccgttcct 300
 gggccagtgc gtcgagttcc tgaggcacca gtgcagcccg gcggcgacgc cctacggctc 360
 gccacagtgc caggcgctgc agcagcagtg ctgccaccag atcaggcagg tggagccgct 420
 gcaccggtac caggcgacat acggtgtggt cctgcagtcc ttctgcagc agcagccgca 480
 gggcgagctc gcggcgctga tggcgggcca ggtagcgcag cagctgacgg cgatgtgcgg 540
 tctgcagctg cagcaccag gtcctgccc ttgcaacgca gctgccgggc gtgtctacta 600
 cttg 604

<210> 8980

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F5

<400> 8980

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgagct ggcattctac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acagcagtta cctttgggtgc 300
atttattggc acaaaacatc agggcacaac aactacaaca acttggtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc taccctcagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag cttagctggg gtgagccctg ctaccttctt gacacaacca 600
cagttgttgc 610

<210> 8981

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-F7

<400> 8981

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cgtcttataa caaccaattt cccagttgca acaacaatcc ttggcacatc taacaatata 120
aaccatcgca acgcaacagc aacaacaatt cctaccagca ctgagccacc tagccatggg 180
gaaccctgcc gcctacttgc aacagcagtt gcttgcataa aaccacttg ctctggcaaa 240
cgtagttgca aaccagccac aacaacagct gcaacagttt ctgccagcgc tcagtcaact 300
agccatgggtg aaccctgccg cctacctaca acagcaacaa ctgctttcat ctagcccgct 360
cgctgtggcc aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc 420
tctgactcag ctagtgtggg caaaccctgc tgccacttg caacagctgc ttccattcaa 480
ccaactgact atgtcgaact ctgctgcgta cctacaacag cgacaacagt tacttaatcc 540

actagcagtg gctaaccat tggtcgctgc cttcctacag cagcaacaat tgctgcc 597

<210> 8982

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-F9

<400> 8982

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ggtggccaag ctgatgagga acaaggacac gaggagagctg gtggccatga agttcataga 120
gcgaggaaac aggatcgacg agaacgtgtt ccgcgagatc gtgaaccacc gctccctccg 180
ccaccccaac atcatccggt tcaaggaggt ggtgctgact cccacgcacc ttgcgatcgt 240
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cgaggacgag gcgcgctact tcttcagca gctggtttgc ggcgtcagct tctgccacgc 360
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gccgcgctc aagatctgcg acttcggcta ctccaagtcc tcggtgctgc actcgcgacc 480
gaagtcaacg gtgggcacgc cggcgtagat cgcgcccag gtgctgtcgc ggcgagagta 540
cgacgggaag cagcccgacg tctggctgtg cggagtcacg ctctacgtca tgct 594

<210> 8983

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G10

<400> 8983

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agcgcctggt catccctgac gctcttaagg ttctgaggct gcaaccagga cacaagtact 180
gcctccttgg ggagctttct aaggaggtcg gatggaacta ccatgacacc atcagggagc 240
ttgaggagaa gaggaaggag aaggccaagg tggcctatga gaggaggaag cagctggcca 300
agctgcgcct aaaggctgag gctacagccg aggaaaagct agggtcacag ctggacattc 360

ttactccgat caagtactga atctgtgggtt tegtgcctat cagttttgtg gaacatctga 420
 tccatcgttt taaaagttgt gacagtataa tcttgagtgc tattctgaac acattttgta 480
 gccggtgaat gtattgtttg tttt 504

<210> 8984

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G11

<400> 8984

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 gatcgagagc ggcgctggcg gcggcgagtt cgctgccaaag gactacacgg accctcccc 120
 ggcgccgctg atcgacgcag cggagctggg gtccctggctg ctgtaccgcg ccgtgatcgc 180
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 cctcgtcaag gcgttccaga gcgcctactt cgacaggtag ggcggcgggcg ccaactcgct 540
 cgccctccggc tactcccgcg gcaccggcct cggcgcg 576

<210> 8985

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G12

<400> 8985

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 caaaccttgc tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat 180
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cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 300
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 aacaacagtt gttgccgttc tacctgcacg ctatgcctaa cgctggcacc ctcttacaac 420
 tgcaacaatt gctgccattc aaqcaacttg ctttgacaaa ctcaacagtg ttctaccaac 480
 aacccatcat tgggtggtgcc ctctttttaga ttgcttatga gttatagctc aataatgaag 540
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<210> 8986

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G3

<400> 8986

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 gggggcttct tccaaccacc cattattggg gggggccttt tttaggatgg tttattagtg 180
 gtaattaatt attaaggttt ttgggtgaag gatggggggc acccagaaat aaaaagggtc 240
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 aaaaaaaaa aaaaaaaaa aaaaaaaaa gggggggcgt ttttaaagat ncaagtttac 360
 ctaccggtgc ttgccactc ttaacttttn ttttggggca cctaattnaa attaactggc 420
 cggngtttta aaaccttggg aatggaaaaa ccnnggggtt acccaattaa aacggttttg 480
 aaagaatccc ctttttncca gtttggctaa taacgaaaaa gccccgcncg atcggcnttc 540
 ccaaaaatt 549

<210> 8987

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G6

<400> 8987

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 gccaaagatat tttccatcct tatgtctcctt gctctttctg catgtgttgc taacgcgacc 120
 atttttcctc aataactcaca agctcctata gctgcccttc ttcccccata ccttccatca 180
 atgaccgctt tagtatgtga aaaccagacc ctccaaccct acaggatcca gcaagcaatc 240
 gcaacaagca acttaccttt atcacacctg ttctttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtaaaaac catcagggca gaacagttgc agcaactcgt gctaccagtgc 360
 atcagccaag tagctctggc aaacctttcc cctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctatact gaacctgtct gcttatttgc agcaacaaca actactacca 480
 ttcagccagc tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg 540
 gccgcactga acccctctgc ttatttccag cagcaaatat tactaccatt tggccagcta 600
 gc 602

<210> 8988

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-K6-G8

<400> 8988

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 gggctgcagg gcttgtacgg cgctggcgcc ggcctgacga cgatgatggg cgccggcggg 180
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 tactacgccg ggtgtgggca gacgagcgcc atgtaccagc cgctccggca acagtgtctc 300
 cagcagcaga tgaggatgat ggacgtgcag tccgtcgcgc agcagctgca gatgatgatg 360
 cagcttgagc gtgccgctgc cgccagcagc agcctgtacg agccagctct gatgcagcag 420
 cagcagcagc tgctggcagc ccagggtctc aaccccatgg ccatgatgat ggccgagaac 480
 atgccggcca tgggtggact ctaccagtac cagtaccagc tgcccagcta ccgcaccaac 540
 ccctgtggcg tctccgctgc cattccgccc tactactgat tcatgatatt tgggaaatct 600

<210> 8989

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-G9

<400> 8989

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ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg 180

ctttagtatg tgaaaaccca gcccttcaac cctacaggat ccagcaagca atcgcaacaa 240

gcaacttacc tttatcacac ctgttctttc aacaatcgcc agccctatct ttgggtgcagt 300

cattgggtaca aaccatcagg gcagaacagt tgcagcaact cgtgctacca gtgatcagcc 360

aagtagctct ggcaaacctt tccccctact ctcagcaaca acaatttctt ccattcaacc 420

aactgtctat actgaaccct gctgcttatt tgcagcaaca acaactacta ccattcagcc 480

agctagctac tgccctactc cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540

tgaacccctc tgcttatttc cagcagcaaa tactactaa 579

<210> 8990

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-H1

<400> 8990

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gcgtcgttct tgccggccgc gctcacctc cgcctctctc tctccagggt gatttgatac 180

gccacaggct gcgcgatggt gctgtgggtc ttccggtacg gctccctcat ctggaacccc 240

ggcttcgact tcgacgacaa aatcctcggc ttcataaagg gctacaagcg cacctttaat 300

ctcgcttgca ttgaccacag aggcacaccg gagcatccgg cgaggacctg cacncttgaa 360

accgacgacn aggccatatg ctggggaatt gcatattgtg tcaaggggtg tccagaaaag 420

agctaaaagc anngcagtag ttggagagaa gagagtgtga gtacnaccag aagatatcca 480
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<210> 8991
 <211> 577
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-109-Q1-K6-H10
 <400> 8991

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 tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc cccagcaatt 480
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<210> 8992
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-K6-H2
 <400> 8992

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 tcagatatgc cgagcgcttg cttatatata taactgcatt ggcactctgcc accgtgatat 180

caaacgcag aatgttcttg ttaacccaca tacacaccaa ctcaaaattt gcgatttcgg 240
 aagtgcataa gtattggtca gaggagagcc aaacatctcc tacatatgct caaggtatta 300
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 gtgcatgaac ccaaactata cggagttcaa gttcccacaa attaaagctc atccgtggca 540
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<210> 8993

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-K6-H5

<400> 8993

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 ttggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 180
 catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg aactctgctg 240
 cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc cagcaatttc 300
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 tgccgttcta cctgcatgct atgcctaacy ctggcaccct cttacaactg caacaattgc 480
 tgccattcaa ccaacttgct ttgacaaacc caacagtgtt ctaccaacaa cncatcattg 540
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<210> 8994

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-A4

<400> 8994

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cgatgagcgc ctctgatct accgcatgaa gatctggggc aataacgtag gttcgcgcca 180
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tgctcggcct ctacgagcat cttcgagcgc aacctacca ccattaagaa ctacggcctc 300
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acctgaaca gttccgggga gcatatgtac aacgagatgg actcgctctc ccgggggagg 420
tgccccctgca ttcagatcat caagactggg acggtccact tcaagctgtg caagtaggac 480
aacactaagc agttccacaa ctccgagatc aagttaccgc ttgtgttccg caaggtgagg 540
gcggccacca ggaagctcat gaccaccttc aaggcgcca ggcccaacct gttcatgtga 600
tgggc 605

<210> 8995

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-A8

<400> 8995

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agattggagg agatttgatg tactagagat tgaaactccc tcaatccata tagattagga 180
gtaaaaccga atatatcttt agggcttggt cggttttagg aagaattcct ctctaatect 240
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tggtgtgtaa ggtgttatag gatgactagc tttttgtat aagtttagtt taattcgagt 420
gactaagggt agatatattg tgatgtcctt agctataaaa ctaaacagtc gtcctttaat 480
atgtcaagga gtccgagttg aaattcatcg tggctcttct tctatgtccc aaaaaaatt 540
taaaggattt tggcc 555

<210> 8996
 <211> 541
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-N6-B12

<400> 8996

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tcctgctctc cgtgctcgcg gcatgccagc gccagcgcca caacctcctg cgtgccgggg 180
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c 541
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<210> 8997
 <211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-109-Q1-N6-B4

<400> 8997

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ggaccctcct acctggggca gctgtcgctg caacggatgg ttccagaata tgaaacaggc 180
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attgctgcca tacaaccagt tctcttttgg gaaccctgcc ttgggtgtcg aggaacccat 420
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<210> 8998

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-B8

<400> 8998

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gacactgagc gatctgaggg gcacaaacct ttgtgacct agtcagatct gaggggtgtg 180
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ctcgagatac ataaacattt ctctgtcat cttatggaca gtatgctcta actatgctgg 420
cttcaagaac tgcaatgtac ccaagagttg ctagca 456

<210> 8999

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-B9

<400> 8999

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caacgcagga ggtacatgtt tgcaagaaca cacattgata acgctaggcc tggatcacag 240
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ggaccttctc gccgtggatc accggcgtca ccgtacgggtg gctcttctctc gggtggtagt 540
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<210> 9000

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C4

<400> 9000

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caacaacttc ttccatttaa ccaattggcc gcaactgaacc ccgctgctta tttgcagcag 240
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cacatcattg gtggtgccct cttttagatt gattattagt tgtaattcaa taataaagtt 480
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<210> 9001

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C5

<400> 9001

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gaagaaatac agcattgaca ttttgatgtg taagaactac aaaaaagtgg agatgttcta 180
cgaaaaatga aatatgctaa cttgcattct gttcaatgat ttgaaaggta attggtgtat 240
ataagcagag ttctctgac 259

<210> 9002
<211> 593
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-C7

<400> 9002

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tttcttgat cagatatgtt tgccgtgtt ccatttcatg tggcacacac tgttggtgaa 540
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<210> 9003
<211> 608
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-109-Q1-N6-D10

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 gccctctttt agattgctta tgagttatac ttcaataatn gaagtttttg gatgatgttt 600
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<210> 9004

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F2

<400> 9004

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 aatgcgagca cgcattgacca tggcgtggca gcggcactgt gagcaaagaa ac 472

<210> 9005

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F3

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<210> 9006

<211> 548

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-F4

<400> 9006

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<210> 9007

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-109-Q1-N6-G10

<400> 9007

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gaagcatcta tccaacctgc tctaaaggc tcacgctaca gcacgagtaa aagctatggc 360
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<210> 9008

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-G11.

<400> 9008

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gcgtccctgg ctgcgctct gttgtaatga cgggggcacc gcaactctct gcactctgtg 480
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<210> 9009

<211> 542

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-109-Q1-N6-G6

<400> 9009

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accattttttc ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca 180
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ccattcaacc aactgtctat actgaaccct gctgcttatt tgcagcaaca acaactacta 480
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tt 542

<210> 9010
<211> 412
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-109-Q1-N6-H4
<400> 9010

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<210> 9011
<211> 578
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-110-Q1-K6-A1
<400> 9011

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accaagatat tttccctcct tatgctcctt gctctttcta catgtgttgc taacgcgaca 120
 attttccctc aatgctcaca agctcctata gcttcccttc ttccccata ccttccatca 180
 attatagctt caatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc 240
 gcagcaagca acataccttt atcgcccttg ttgtttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtaaaaac catcagggca caacagctgc agcaactcgt gctacctctg 360
 atcaaccaag tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctacaqt gaaccttgct gcttatttgc agcaacaact attaccattt 480
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<210> 9012
 <211> 188
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-A10

<400> 9012

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 ttccacactg catcacacac aatacctcct cttcggtgac agtcgcgcgg tgatttctaa 180
 taccacaac 188

<210> 9013
 <211> 578
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 9013

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 tagcttccct tcttcccccg tacctctcac cagcgggtgc ttcggtatgt gaaaacccaa 180
 ttcttcaacc ctacaggatc caacaggcaa tcacagctgg catcttacct ttatcacctc 240

tgttcctcca acaatcatca gccctattac atcagttacc tttggtgcat ttattggcac 300
 aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc 360
 agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc 420
 aacaacaaca actaccattc agccagctac ctgctgccta ccccagcaa tttcttccat 480
 tcaaccaact ggcagcattg aactctnctg cttatttaca gcagcaacaa ctactaccat 540
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<210> 9014

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-A6

<400> 9014

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 aagtctttac atggggagta tgaatataca acacaagcca ctacgccatg ggaaatgggc 180
 tgtaacctat gaggagtggc caaaaaggt gtatccgta tatgcaaagc gccctggata 240
 tgttatatca tctgatattg ctgattttat catgtcagaa ttcatgaaac aaaagttgat 300
 gctcttcaaa atggaagatg tgagcttggg tgtgtgggtt gagcagttca ataagacaag 360
 acccgttgaa tacgttcaca gcgacaaatt ttgtccaaat ggatgcgtcc ctgactacta 420
 tactgctcat taccaatcgc caaagcta at gctttgcatg tggcagaagt tactggaagg 480
 aaaaaccgac tgtttgcatt cgagataaca atgatggccg tagttc 526

<210> 9015

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-A9

<400> 9015

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tcccttatgct ccttggtctt tctgcaagtg ctgctaccgc aaccattttc ccacaatgct 120
 cacaagtctc ctatagcttc ctttcttccc ccatacctct caccagcggg gtcttcagta 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcgcagc aggcatttta 240
 cctttatcac ccttggtcct ccaacaaccg tcagccctat tacagcagtt acctttggtg 300
 catttggttg cacaaaacat caaggcaca caactacaac aacttggtgct aggaaacctt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 420
 gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta ccccagcaa 480
 tttcttccat tcaaccaact ggcagcattg aactctgctg cttatttaca acagcaacag 540
 ctaccaccat tcagccagct agctgatgtg agecctgttg cttcttgac ac 592

<210> 9016

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-B3

<400> 9016

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 agatattagc cctccttgcg cttcttgccc tttttgtgag cgcaacaaat gcgttcatta 120
 ttccacaatg ctacttgct cctagtcca ttattccaca gttcctcca ccagttactt 180
 caatgggctt cgaacaccta gctgtgcaag ccaacatgca acaacaagcg cttgcggcga 240
 ggtctttaca acaaccaatt gcccaattgc aacaacaatc cttgccacat ctaacaatac 300
 aagccatcac aagcaacag caacaacagt tcctaccagc actgagccac ctagccatgg 360
 tgaaccctgc cgctacttg caagagcagc tgcttgcatc caaccactt gctctggcga 420
 acgtagttgc aaaccagcaa caacaacagc tacaacagtt tctgccaacg ctcagtcaac 480
 tagccatggg gaaccctgcc gctacgtac aacaacaaca actgctttca tctagcccgc 540
 tcgctgtggg caatgcacct acatacctgc aacaacaatt gttgcaacag attgtaccag 600
 ctctga 606

<210> 9017

<211> 600

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-B6

<400> 9017

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tcaatgctca caagctccta tagcttccct tcttcccca taccttccat caatgatagc 180
ttcagtatgt gaaaaccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag 240
caacatacct ttatcacctt tggtgtttca acaatcgcca gccctatctt tgggtgcagtc 300
attggtacaa accatcaggg ctcagcagct gcagcaactc gtgctacctg tgatcaacca 360
agtagctctg gcaaaccctt ctccctactc tcagcaacaa caatttcttc cattcaacca 420
actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
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<210> 9018
 <211> 593
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-B8

<400> 9018

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gcatttggtg gcacaaaaca tcaaggcaca acaactacaa caacttgtgc taggaaacct 180
tgctgcctac tctcagcaac agcagtttct tccattcaac caactggctg cattgaactc 240
tgctgcttat ttgcaacaac aactaccatt cagtcagcta gctgctgctt acccccagca 300
atttcttcca ttcaaccaac tggcagcatt gaactctgct gcttatttac aacagcaaca 360
gctaccacca ttcagccagc tagctgatgt gagccctggt gccttcttga cacaacaaca 420
gttggtgccc ttctacctgc acgctgcgcc taacgctggc accctcttac aactgcaaca 480
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attgctgccca ttcaaccaac ttgctttgac aaacccaaca acgttctacc aacaacccat 540

cattggcggt gccctctttt agattgctta tgagttatag ttcaataatg aag 593

<210> 9019

<211> 67

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-B9

<400> 9019

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tatgttg 67

<210> 9020

<211> 293

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-C10

<400> 9020

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aacaattgct accatttagc caacatgctt tgacgaatcc taccacctta ttgcaaccgc 180

ccaccattgg tggtgccatc ttctagattt tttatgattt atactgtaat aataaagttc 240

tcatgctgat atgtgcgacc tctcagtaat aaagtattag agatctatat ttt 293

<210> 9021

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9021

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ttcagccggg gagaccttac gatgagctgg gcagaagact caccagtac taccgggtgt 120
 acgatggccg tggctccgac gccgcccttg tcgctcgcat gcaggggatc accgtcctcg 180
 tcggtaacgc gcaccagctg ttcaccatcg tgttcgagac cgggagggtc aagggtcca 240
 cgctcctcat caacgggatg gtgacggaag ggtccgacga gtgggcggtc tacggcggga 300
 ctggagcggt tgcgatggcc accggcgta tcagaaggaa gaaccttttt gccggtggcg 360
 gtgacagtgg cgggaactcc gacgagctta gcatggaagt gttctgccc gtgttcggct 420
 caccgcagca gccgccaaag gacgacgagg atggctccgc cgtcaccaag attggactat 480
 ggggtgggccc gggaggatcg gcacatgaca tcacgacgac agaggcacca aggcgtctga 540
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<210> 9022
 <211> 565
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-C2

 <400> 9022

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 ctgtgggtgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgctccggtt 180
 ctatctgcgg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
 aagcccggtg cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
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 acagtgccag gcgctgcagc agcagtgtcg ccaccagatc aggcaggtgg agccgctgca 420
 ccggtaccag gcgacatacg gtgtggtcct gcagtccttc ctgcagnagc agccgnaggg 480
 cgagctcgcg gngctgatgg cggcccaggt ngcgcagcag ctgacggcga tgtgcggcct 540
 gcagctgnag cagccaggtc cctgc 565

<210> 9023
 <211> 567
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-110-Q1-K6-C4

<400> 9023

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ttcttgcttt cattgcttta gtatcaagtg tttcttgtag acagacaggc ggctgcagct 180
gtggtcaaca acaaagccat gagcagcaac atcatccaca acaacatcat ccacaaaaac 240
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acatgcaacc acaaaaacat cagcaacaac aagaagttca tgttcaacaa caacaacaac 360
aaccgcagca ccaacaacaa caacaacaac aacagnacca acaacaacat caatgtgaag 420
gccaacaaca acatcaccaa caatcacaag gccatgtgca acaacacgaa cagagccatg 480
agcaacaccn aggacagagc catgagcaac aacatcaaca acaattccag ggtcatgaca 540
agcagnaaca accacaacag cctcagc 567

<210> 9024

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-C5

<400> 9024

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ttttgcttcc ttatgtcctt tgggtctttct gcaagtgttg ctaccgcaac cattttccca 120
caatgtctac aagctcctat agcttccctt cttcccccat acctctcacc agcggtgtct 180
tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
atcttaccat tatcaccctt gttcctccaa caaccgtcag cctattaca gcagttacct 300
ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
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aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540

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589

<210> 9025

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-C6

<400> 9025

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aaaccattgt atgttgcat tgcgcagcgc aaagaagata gaaaagcgat gttgcaggca 180
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cctcatatgc caaattattt tgttccagtt gtccaacacc aacagggcca acaggtcca 420
cgcccaggta ttaggcgtgg agctggagcc cagggtcagc aacctgtgcc accatttcag 480
cagcagattg ttccaagagg accgatgtac cgttacccaa ctggctcgcaa catgcctgaa 540
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<210> 9026

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-C7

<400> 9026

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gtgcaagcct ataggctaca acaagcgatt gcggcgagcg tcttacaaca accaattgcc 180
caattgcaac aacaatcctt ggcacatcta acaatacaaa ccatcgcaac gcaacagcaa 240
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caacaactgc aacagtttct gccagcgctt agtcaactag ccatggtgaa ccctgccgcc 420
 tacctacaac agcaacaact gctttcatct agcccgctcg ctgtggccaa tgcacctaca 480
 tacctgcaac aagaattggt gcaacagatt gtaccagctc taactcagct agctgtggca 540
 aaccctgttg cctacttgca acagctgctt ccattcaacc aactaactat gtcgaactct 600
 g 601

<210> 9027
 <211> 190
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D10

<400> 9027
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 ggtgacgaaa cacgtcataa tgtatgtgac gatgacttat ctaaggcggg ggatcacatg 180
 tccgttttca 190

<210> 9028
 <211> 599
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D11

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 caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 420
 catgagcaac aacatcaaca acaattccag ggtcatgaca agcagcaaca accacaacag 480

cctcagcaat atcagcaggg ccaggaaaaa tcacaacagc aacattgtca ttgccaggag 540
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<210> 9029

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-D2

<400> 9029

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accctgtcgc ctacttgcaa cagcaggtgc ttgcatccaa cccacttgct ctggcaaacg 420
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ccatggtgaa cncgtccgcc tacctacaac agcaacaact gctttcatct agccctctcg 540
ttgtgggtaa tgcacctaca tacctgcaac aacatttgct gcaacagatt gta 593

<210> 9030

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-D5

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cgccaggag cgacggatcg ctgaagctgc tcgtcgtcgg ggactgggga cgcaagggga 180
ctcacaacca gtcccgggtc gccgaccaga tgggaagggt cggggagaag ctcgatatcg 240

actttgttat atccaccggg gacaacttct acaaggacgg cctcaagggc gtgcgcgacc 300
 aggcatttga agaatcggtc gtggatatct acacagctca aagcttacag aagccatggt 360
 actcagttct aggaaatcat gattacaggg gcaatgcgct cgcacagctt agcccagtct 420
 tgaggaagat cgacgaccga ttcatttgca tgagatcggt catcgttaac gcagaacttg 480
 tggacttctt ctttgtcgac accactccgt tccaactgga gtattggact caccctggca 540
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<210> 9031

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D8

<400> 9031

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 ttcaactagc catgggtgaac cctatcgctt acctacaaca gcaacaactt ctttcatcta 180
 gcccgcctgc tatgggcaat gcacctacat acctgcaaca acagttgttg caacaacagt 240
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 agcaacccat cgttgggtgt gccatctttt agattacata tgagatgtac tcgataatgg 540
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<210> 9032

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-D9

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<210> 9033
 <211> 582
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-110-Q1-K6-E1
 <400> 9033

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 attccacaat gctcacttgc tcttagtgcc attattccac agttcctccc tccagttact 180
 tcaatgggct tcgaacaccc agctgtgcaa gcctacaggc tacaacaagc gcttgccggc 240
 agcgtcttac aacaaccaat tgcccaatta caacaacaat ccttggcaca tctaaccata 300
 caaaccatcg caacgcaaca gcaacaacaa tttctaccag cactgagcca actagctgtg 360
 gtgaaccctg tcgcctactt gcaacagcag ttgcttgcac ccaaccact tgctctggca 420
 aacatagttg cataccaaca acaacaacaa ttgcaacagt ttctaccagc gctcagtc 480
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 ctcgctgtgg ttaatgcacc tacatacctg caacaacagt tg 582

<210> 9034
 <211> 600
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-110-Q1-K6-E10

<400> 9034

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ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgcctccgtt 180
ctatctgccg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
ccagtgcgtc gagttcctga ggcaccagtg cagcccggcg gcgacgccct acggctcgcc 360
acagtgccag gcgctgcagc agcagtgtcg ccaccagatc aggcaggtgg agccgctgca 420
ccggtaccag gcgacatacg gtgtggtcct gcagtccttc ctgcagcagc agccgcaggg 480
cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggcct 540
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<210> 9035

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-E11

<400> 9035

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gaggcaccag tgcagcccgg cggcgacgcc ctacggctcg ccacagtgcc aggcgctgca 120
gcagcagtgc tgccaccaga tcaggcaggt ggagccgctg caccgggtacc aggcgacata 180
cgggtgtggc ctgcagtcct tcctgcagca gcagccgcag ggcgagctcg cggcgctgat 240
ggcggcccag gtagegcagc agctgacggc gatgtgcggc ctgcagctgc agcagccagg 300
tccctgccct tgcaacgcag ctgccggcgg tgtctactac tgaggaaact atgtactgta 360
gtaataatgt aatggagccg ctgactagct acctagctcg ctagtttact catttagcgg 420
cgatgagtaa cgtagtgtca cccatcacca tgggtggcag tgtgagcaat gacctgaatg 480
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<210> 9036
 <211> 578
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E2

 <400> 9036

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caacatcacc agcagcagca acaccaacaa caacaagttc acatgcaacc acaaaaacat 120
cagcaacaac aagaagttca tgttcaacaa caacaacaac aaccgcagca ccaccaccaa 180
caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 240
caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 300
catgagcaac aacattaaca acaattccag ggtcatgaca agcagcaaca accacaacag 360
cctcagcaat atcagcaggg ccagggaaaa atcacaacag ctacaatgtc attgccagga 420
gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaana 480
ttgtcatgaa ttccctaagc agcagngcag ccctttggta aatccttttc tccaatcacg 540
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<210> 9037
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E3

 <400> 9037

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tctcagcaac aacagtttct gccattcaac caactagctg cattgaactc tgctgcttat 120
ttgcagcaac aacaactact accattcagc cagctagctg ctgcctaccc ccggcaattt 180
cttccattca accaactggc agcattgaac tctcatgctt atgtacaaca acaacaacta 240
ctaccattca gccagctagc tgctgtgagc cctgctgcct tcttgacaca gcaacatttg 300
ttgccgttct acctgcacac tgcgcctaac gttggcacc ctttacaact gcaacaattg 360
  
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ctgccattcg accaacttgc ttgacaaac ccagcagtgt tctaccaaca acccatcatt 420
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 g 481

<210> 9038
 <211> 312
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E5
 <400> 9038

tccgtggtcg caagctccta tagcttcctt tttcccccg tacctctcac caaggtgtct 60
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 catcttacct ttatcacctt tggttcctca acaatcatca gccctattac agcagttacc 180
 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 240
 aaacettgct gcctactctc agcaacagca gtttctttcc attcaaccaa cttgctgcat 300
 ttgaactctg ct 312

<210> 9039
 <211> 570
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-E8
 <400> 9039

caacaagcaa catagnaaag tggnaatcca gtagcaacaa tagagcaaca atggcgacca 60
 agatactttc cctccttatg ctccctgctc tttctgcatg tggtgctaac gcgacaattt 120
 tccctcaatg ctcaacaagt cctatagctt cccttcttcc cccatacctt ccatcaatga 180
 tagcttcagt atgtgaaaac ccagctcttc aaccctatag gctccaacaa gcaatcgagc 240
 caagcaacat acctttatca cccttgtttc aacaatcgcc agccctatct ttggtgcagt 300
 cattggtaca aaccatcaag gcacagcagc tgcagcaact cgtgctacct gtgatcaacc 360
 aagtagctct ggcaaacctt tctccctact atcagcaaca acaattgctg ccattcaacc 420

aacttgcttt gacaaacca gcagcgttct accaacaacc catcattggg ggtgccctct 480
 ttttagatttc ttatgagtta tagttcaata ataaagtttt ttgtctgatg tttgtggctt 540
 cccagaaata agaaagtaca tttctagntt 570

<210> 9040

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-E9

<400> 9040

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 ccgtgcccgt cgacgcgtcg ttcttgccgg ccgcgcctca cctccgccct ctctctctgc 180
 agggggatcg gatacgccac aggctgcgcg atgggtgctgt ggggtcttcgg ctacggctcc 240
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 aagcgcacct ttaatctcgc ttgcattgac cacagaggca caccggagca tccggcgagg 360
 acctgcacgc ttgaaaccga cgacgaggcc atatgctggg gaattgcata ttgtgtcaag 420
 ggtgggtccag aaaaagagct aaaagcaatg cagtacttgg agagaagaga gtgtgagtac 480
 gaccagaaga tatccattga tttctacaag gaaggagatc ccttgaaacc agctgtgaca 540
 ggcgctcttag tgttcgtttc cactccagat ccaattggca acaagtacta tcttggggcc 600
 tgc 603

<210> 9041

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F10

<400> 9041

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 aatgctcact tgctcctagt tccattattc cacagttcct cccaccagtt acttcaatgg 180

ccttcgaaca cccagctgtg caagcctata ggctacaaca agcgattgcg gcgagcgtct 240
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 tcgcaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atggtgaacc 360
 ctgtcgcta cttgcaacag cagctgcttg catccaaccc acttgctcta gcaaactag 420
 ttgcaaacca gcaacaacaa caactgcaac agtttctgcc agcgcttagt caactagcca 480
 tgggtgaaccc tgccgcctac ctacaacagc aacaactgct ttcacttagc ccgctcgctg 540
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<210> 9042
 <211> 600
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-F11

 <400> 9042

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 acatcatttc tcgttttgag agtagagctg gcgagtctct caactgggag gacttcccct 180
 ccaaagttgc agtgcagatg aatgacactc atccaacact atgcattcct gagttaatga 240
 gaatactgat ggatgttaag ggattaagct ggagtgaggg atggagtatt acagaaagaa 300
 ccgtggcata cactaaccat acagtgcctc ctgaagctct agagaagtgg agcttggaca 360
 taatgcagaa acttttacct cgacatgttg agataataga aacaattgat gaagagctga 420
 taaacaacat agtctcaaag tatggaacca cagatactga actgttgaaa aagaagctga 480
 aagagatgag gattctggat aatgttgacc ttccagcttc catttcccaa ctatttgta 540
 aacccaaaga caaaaaggaa tctcctgcaa aatcaaagca aaagttactt gttaaacttt 600

<210> 9043
 <211> 581
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-110-Q1-K6-F3

<400> 9043

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atgctcactt gctccgagtg ccattattcc acagttcctc cctccagtta cttcaatggg 180
cttcgaacac ccagctgtgc aagcctatag gctacaacaa gcgcttgagg cgagcgtctt 240
agaacaacca attgccaat tacaacaaca atccttggca catctaacca tacaaccat 300
cgcaacgcag cagcaacaag cactgagcca cctagccgtg gtgaacccta tcgcctactt 360
gcaacaacag ctgcttgcac ccaaccact tgctttggca aacgtagctg cataccaaca 420
acaacaacag ttgcaacagt ttctaccagc gctcagtcaa ctagccatgg tgaaccctat 480
cgctaccta caacagcaac aacttctttc atctagcccg ctgctatgg gcaatgcacc 540
tacatacctg caacaacagt tgttgcaaca acagttgctg c 581

<210> 9044

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F4

<400> 9044

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caatgtctgc aagctcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
tcggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gttcctccaa caatcatcag cctattaca acagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
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aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600

caaccac

607

<210> 9045

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F5

<400> 9045

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actgagactg accatggnga gaagcgtgca gggacgcggc ggctgcgggc cagcagctgc 120
ggcaggacga agagggcgga ggaggagggc gtcacgcgga gaaggagctc gtcggtgacc 180
caataaccca cgactcggtc gtctcggcga agctgtacga ggacgtgccg gcgacgccga 240
tgatggcgct caaccacatc tcccgcctgt gccaatccgt cgacgcgtcc gtccggttct 300
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catggctctt caactacggc gtgggtatcc acttcgtgca gcgcgacgac gcgcggcggg 420
cccccgacgt gaggccggag gaggcggagc tggaccccat ggacaaccac gtgtcgttcc 480
agtgcgagga catgggcgcc atggagcggc ggctgcggga gatgcgcgtg cggtagatga 540
agcggaccat caacgaggag gaagggtcgc ccatcgacca gctcttcttc agggacccgg 600
acggcttcat ga 612

<210> 9046

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F6

<400> 9046

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gtcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240

tcacccttgt tctccaaca atcatcagcc ctattacaac agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactagc agcattgaac tctctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tc 582

<210> 9047

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-F7

<400> 9047

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 tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag ctagctgggtg 120
 tgagccctgc taccttcttg acacaaccac aattgttgcc gttctaccag cacgctgcgc 180
 ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa cttgctttga 240
 caaaccceac agcattctac caacaacca tcattgggtgg tgccctcttt tagatttctt 300
 atgagttata gttcaataat aaagtttttt gtctgatgtt tgtggcttcc cagaaataag 360
 aaagtacatt tctag 375

<210> 9048

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-F8

<400> 9048

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 aaccaaatc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240

tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
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 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 9049

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G1

<400> 9049

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 caagctecta tagcttccct tcttcccca taccttccat caattatagc ttcaatatgt 180
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 g 541

<210> 9050

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G11

<400> 9050

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 gctcacaaca atacctctct ccggtgacag ccgcgagatt tgaatacca actatacaat 180
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 ctgcttctt actgcagcaa cagttgcttc cattccatct acaagttgtg gcaaacattg 540
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<210> 9051

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-G3

<400> 9051

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 attgaaggca ataaagcagt attggggatt gcttgagggtg cacaaggctc ctgaaacctg 180
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 aatactgcag tattctcaaa tactgcagta ttatatacag aatgggtgtt ggcaagctag 420
 ctaaaatctc agttttttaa actgaagtat tgcaaatact atagnagttt taagctattc 480
 taaacttaag tctggacctc agttttttaa actgcggtat tgtaaactgc ggtattgtca 540
 tgactaaagt atactgtagt atttcaaa 568

<210> 9052

<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-G6

<400> 9052

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ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 120
gctactgcct actctcagca acaacaactt ctccattta accaattggc cgcactgaac 180
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ccagcagcct cctaccaaca acacatcatt ggtgggtgcc tcttttagat tgattattag 420
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acattttcag attctaattg g 501

<210> 9053
<211> 585
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-G8

<400> 9053

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gttggtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc 180
acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc 240
tccctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac tgaaccctgc 300
tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct actctcagca 360
acaacaactt ctccattta accaattggc cgcactgaac cccgtgctt atttgagca 420
gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcct tcttgacaca 480
gcaacagttg ctgcctttct accagcagtt tgcggctaac cccgcaaccc tcttacaact 540

acaacaattg ttgccctttg tccaacttgc tttgacagac cgagc

585

<210> 9054

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H1

<400> 9054

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gtcctttggt ctttctgcaa gtgctgtac ggcgaccatt ttcccgcaat gctcgcaagc 120
tcctatagct tcctttcttc ccccgtagct ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatnt tacctttatc 240
acccttggtc ctccaacaat catcagctct attacaacag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgcta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggn tcattgaact ctgcttctta 420
tttgcaaaa caacaactac cattcagcca gctacctgt gctaccccc agcantttct 480
tccattcaac caactagcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
accattcage cagctagctg gtgtgagccc tgctac 576

<210> 9055

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H10

<400> 9055

nggnacaact agcaacatag naaagcacia tagtgtacca acaatggcag ccaaaatatt 60
ttgcctcctt atgtccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca 120
atgtcgcaa gtcctatag cttcccttct tccccgtac ctctcaccag cgggtgtctc 180
ggtatgtgaa aacccaattc ttcaacccta caggatcaa caggcaatca cagctggcat 240
cttaccttta tcacccttg tctccaaca atcatcagcc ctattacatc agttaccttt 300

ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 420
 ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc 480
 ccagcaattt cttccattca accaactggc agcattgaac tctcctgctt atttacagca 540
 gcaacaacta ctaccattca gccagctagc tgggtgtg 577

<210> 9056

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H11

<400> 9056

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 ccaagattta gccctccttg cgcttcttgc cctttttgtg agcgcaacaa atgcgttcat 120
 tattccacaa tgctcacttg ctcttagtgc cattattcca cagttcctcc caccagttac 180
 ttcaatgggc ttggaacacc tagctgtgca agccaacatg caacaacaag cgcttgccggc 240
 gagcgtctta caacaaccaa ttgcccatt gcaacaacaa tccttgccac atctaacaat 300
 acaagccatc acaagcgaac agcaacaaca gttcctacca gcactgagcc acctagccat 360
 ggtgaaccct gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc 420
 gaacgtagtt gcaaaccagc aacaacaaca gctacaacag tttctgcca cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc 540
 gctcgtgtg ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac a 591

<210> 9057

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H4

<400> 9057

cagcctcatc ccagccaca cccatgcccg tgccaacagc cgcattccaag cccgtgccag 60
 ctgcagggaa cctgcggcgt tggcagcacc ccgctcctgg gccagtgcgt cgagtttctg 120

aggcacacagt gcagcccgac ggcgacgccc tactgctcgc ctacgtgccca gtcgttgccg 180
 cagcagtggt gccagcagct caggcaggtg gagccgcagc accggtacca ggcgatcttc 240
 ggcttggtcc tccagtccat cctgcagcag cagccgcaaa gcggccaggt cgcggggctg 300
 ttggcggcgc agatagcgc gcaactgacg gcgatgtgcg gcctgcagca gccgactcca 360
 tgccccctacg ctgctgccgg cgggtgtcccc cactgaagaa actatgtgct gtagtatagc 420
 cgctggctag ctagctagtt gagtcattta gggcgcatga ttgagtaata atgtgtcacg 480
 catcaccatg ggtggcagtg tcagtgtgag caatgacctg aatgaacaat tg 532

<210> 9058

<211> 245

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-K6-H5

<400> 9058

ccaactagca acatagnaaa gcacaatagt gtaccaacaa tggcagccaa aaattttgct 60
 tccttatgct ccttggtctt tctgcaagtg ttgctaccgc aaccattttc ccacaatgct 120
 cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgt 180
 gtgaaaaccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
 catta 245

<210> 9059

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H7

<400> 9059

cgatcggcct ccctccccca aaacctccac tcgatcccaa acaaaccaac aaatccatcc 60
 atcgcaatg gacgcgttct tctcggcctc ctccgcgtcg gcgccctacg gctacggcgc 120
 cggcggatgg agctacgact cgctcaagaa cttccgccag atcacccttg ccgtccagac 180
 ccgcgcaatt agcatttcgt atttttttta aaatatatat cagtcgctgg tttcgtgcgt 240
 tccagaaatt ctctgcggg ttgcgtgtag ctgatgcgta attccctgac gtaatctatg 300

attcgcgcgc gtcgtgttcc ttgcatttag aactgcaact gtgcggatgc caccgattcg 360
 attgattcgt cactttaaga acatgatccg gttagaacag caagatatga taaatcgatt 420
 tgaatccaaa tctgaccatc tggttcgggt tggttgctg caggtctacc tcaccctgtg 480
 cgcggcgcgtg gctcgcgcg cggtgggcgc ttacctgcac gtgggtctgga acatcggcgg 540
 gacgctgaca atgctcgggt gcgtcggcag catcgcttgg ctcttctcgg tgcccc 596

<210> 9060

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-K6-H8

<400> 9060

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 accccaacac cggaggacga ggaggtggcc atcacaatag atgggggaag ggcccaggag 180
 ggggcagcgg gattgcgagc cacaagccgc ctgagaggcc ctgcaagtac tttctcgccg 240
 gtaccgaatg tagctatggc gagaggtgcc gctatccgca cagctactgc ataagcgata 300
 gtatcgcat gcttaccttg ctcaaggac acgagcaggg tgtcacgggc attgcactgc 360
 ccgctgggtc agacaagctt tattccggga gtaaggatgg aactgttcgc atgtgggatt 420
 gccaaactgg gcagtgtgct ggtgtcatca ccatgggtcg tgagggtggg tgtatgatca 480
 ttgaaggctc gtggttattt gttggaatac ctgatgcagt gaaggtacgt aatacttcaa 540
 aattgtgcat ttctcattgt ttcagatttc agaagttgag gcaacttagc actagctc 598

<210> 9061

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-A12

<400> 9061

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 ccgcactgta agcccgtgc ttatttgacg catcaaatac tactgccatt taccgagcta 120

gactgcactc aagtcgtgct tcctctcttg acacagcaac agaagctggc ttcctacaat 180
cattttgcgg ctaaccggag gacctcttta caactacaac aattggtgcc cttggcacia 240
cttgctttga caaaccagg aggtctggcta ccaacaacac attattggtg gagcgctctt 300
, ttagattgat tattaagagg gattcaataa taaagttttt tggatgatgt atgtgcgcca 360
accattaaat aagaagatac attcccagat tctcagtgcg gccaatgggt taaatcggac 420
gcat 424

<210> 9062

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-A8

<400> 9062

tcgggtcaaac ttgcccgatc actatctttg aacaaattag tccaatcagg tagtccatac 60
agtgcgaatg gaacgatact taactcatcc caaacctcga gggctacagc attggtcgag 120
tgctatgctt catagagctc tcaacacagt cctatgctgt gtgcatgacc gtaaccgacc 180
tacaccagac tcaagcacct gctattctaa aaaacgtgaa tgcgagtacg caacgaaagc 240
tcattaactg cagactggaa gcaagaaagg atcctgaacc aaagagttgg aggatacttg 300
ataaccttct ctacgatcta gccactgcat ggaaagttga ttgccaatg taaccacaac 360
taccagctct cgaatctgca gcgctgtggc taatatgttg cgcaactgga atggcacgaa 420
ccatgcacca agagcaacca ggcttgcaat atactatatt ttgccaag aagaaat 477

<210> 9063

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-B2

<400> 9063

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tgcaacaaat agatccatct ttgactgaaa taactgtggc gaaccctggg gccttactta 120
caacacatgc tatcattcaa ccaacagatt gcgccaaaca ctggtgggtg cctacaagaa 180

cgacaacaga aactgaactc attggcaggg actaaccat tgggctcttc cttgctggag 240
 caacacaaca ttgtgccta caaccagtta tcttttgtga accctgcctt gcggccaccc 300
 atacgatgga ggagccacct tttagattac ataagaaacg gactcgacaa tgggtgccctc 360
 ataccacat gtgtttgact aaaaataatg aatatattga ttgagatcta aaaaagaaac 420

<210> 9064

<211> 387

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-C10

<400> 9064

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 ttctaccac ctgttgtggt gaaacggtaa tgcttttag catcagcaac tattgcttcc 120
 attctacca caaaagaggt aaacattggt gcctctctta caacaacagc agtagctacg 180
 atgtaggcat acatgcataa gcaactgaatg gctacacacg cttnattaga caagccgctc 240
 cgaccattag gaagggcaga ccattcgctt tgagcatcta tttctatgga gtttagtact 300
 ggtaatcaat aagagtgtct gatgcatgat atgtgcgacc tctcacacat aaagtgttag 360
 agatctatat tttaaaaaaa aaacaag 387

<210> 9065

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-C7

<400> 9065

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 cctagttcca ttattccaca gttcctccca ccagttactt caatggcctt cgaacaccca 120
 gctgtgcaag cctataggct acaacaagcg attgcggcga gcgtcttaca acaaccaatt 180
 gcccaattgc aacaacaatc cttggcacat ctaacaatac aaaccatcgc aacgcaacag 240
 caacaacagt tctaccagc actgagccac ctagccatgg tgaaccctgt cgcctacttg 300

caacagcagc tgcttgcac caacccactt gctctagcaa acgtagttgc aaaccagcaa 360
 caacaacaac tgcaacagtt tctgccagcg cttagtcaac tagccatggg gaaccctgcc 420
 gcctacctac aacagcaaca actgctttca tctagcccgc tcgctgtggc caatgcacct 480
 acatacctgc aacaagaatt gttgcaacag attgtaccag ctctaactca gctagctgtg 540
 gcaaaccctg ttgcctactt gcaacagctg cttccattca ccaactaact atgtcg 596

<210> 9066

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-C8

<400> 9066

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 gtgctcatgg gaggaggcta tggaagcggg ggtggacagg gagaggcgac aggccttgcg 120
 gtggtagaca cactatggac acagctagca tcccatgcaa caagacagac tcatgtctgg 180
 tgacatattt gtataacatg tatctaactc ttaaaaagac ctaaaatgtc cgctggccat 240
 gaggcctcca taaccgcgag ccgagatctc agatccatac atcagtgtgc accaccaccg 300
 ttgaccaccg tgcgtcacca ccgtcaacag cttttccata gactcctctg tgagcaccac 360
 cttgtccgta tactttcacct gatccatatt ctgaaccaca cccgtaatca gac 413

<210> 9067

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-D9

<400> 9067

cgcaacattc caaaaccatg ggttgcaagt tgctgcagaa tgcaagccat ggatcatcta 60
 taaatggcta gctcccatat atgaactagt ctctatcatc atccaatcca gatcagcaaa 120
 gcggcagtgc gtagagagga tcgtcgaaca gaacagcatg aagatgggtca tcgttctcgt 180
 cgtgtgcttg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct gcccttgcgc 240
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gctgtacccc tacgcgaggt acctgaggca gccgcagtgc agcccgtgg cggcggcgcc 360
ctactacgcc ggggtgtgggc agccgagcgc catgttccag ccgctccggc aacagtgtgtg 420
ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc agatgatgat 480
gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc tgatgcagca 540
acaacagcag ctgctggc 558

<210> 9068

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-E1

<400> 9068

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accaagatgt ctccatcttt gcgccatttg ctcttttagt gagcacatca aacgcgtaaa 120
ttatggcaga tgccctacta ggtcctagtg ccttaattac acatgggtctt cttgcagcta 180
ctgcagttgg cttaggacag ccagctccac aggcctacac gctgctagag gctctagcag 240
ctggcgctctt tcaacaacca actgccaat tacaacaaca atccttggga catatgacca 300
tacataccat cggaacgcag cagggacagc cacatctagc atcactgaac ctactacatg 360
ctgtgaaccc tgctgcctac ttgcgtacta gcaggtgcat tgacactcac aacccagtgg 420
ctctggcaaa catagttgcg ttccaacaac aacagcagtt gcgacaacca tctaccagcg 480
ctcagaccac tagccatgac tgaccctgcc gcctacctac aacagctaca actgttttca 540
tctagccctc tcgctgtggt taatgcac 568

<210> 9069

<211> 449

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-E11

<400> 9069

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tgagtggctg atgcacgatg tcgcccgac tggacgcctt acggatgggc gcaactccag 120

gcgctgtagc agctgagctg gcaccatatac aagctggggg agtcgctgca ccgttaccag 180
cctacttact gcgtggccct gctgtccttc ctgcagaaac agccggaagg tgagctcgcg 240
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gaggaatcta tgaactgacc gaatgatgtc atggaccgcg tgactagcta cctatgtctg 420
tagttgactc atttatggtg cttgagtaa 449

<210> 9070

<211> 602

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-E4

<400> 9070

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catcgttctc gtcgtgtgcc tggctctgtc agctgccagc gcctctgcaa tgcagatgcc 120
ctgcccctgc gcggggctgc agggcttgta cggcgctggc gccggcctga cgacgatgat 180
ggcgcccgcc gggctgtacc cctacgcgga gtacctgagg cagccgcagt gcagcccgct 240
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gcaacagtgc tgccagcagc agatgaggat gatggacgtg cagtccgtcg cgcagcagct 360
gcagatgatg atgcagcttg agcgtgccgc tgccgccagc agcagcctgt acgagccagc 420
tctgatgcag cagcagcagc agctgctggc agcccagggt ctcaacccca tggccatgat 480
gatggcgagc aacatgccgg ccatgggtgg actctaccag taccagctgc ccagctaccg 540
caccaacccc tgtggcgctc ccgctgccat tccgccctac tactgattca tgatatttgg 600
ga 602

<210> 9071

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-F1

<400> 9071

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agccatacta tgtgtctccg aatgagcaac ctatcacctt caggcccaaa aacaagatct 120
gggtcaatgg gcaatggcaa tgatcaaaaa ggctgggtggg cagggagggtc ctgcgaagaa 180
acaacactgt gcttgcacgc ttgaacgacc ctttgattac taccgttaac atgacctaca 240
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ttcgagaccc tactatacag tgagaacgaa gttgcctgtg tataggctgt gccgaacctc 360
tgagtagata catatgggga cctggttggc ccttaataata ttgtggaaac tacgggcgtc 420
ttcactgacc acaaaatggc t 441

<210> 9072
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-110-Q1-N6-F5
<400> 9072

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cggtagcagc aaaaggcccc aggaggtggg tcttcacca caagaatgag ctgcccggtg 180
tacccaatct cccctagtcg gcggatggca caagctcagc aaggacctgc tggcgatcta 240
cttgatggtg ctggaaccac atgtgcacgg tgtgctagtg cggggacgcg tgcattctga 300
tgtacgtcaa ggcgctcggg ttgacgctca tccagcgctc gccggtgctc gacttgttca 360
tgacatgggt cttgaacttc aggaagagct tgcaactggg gcaccgtgac tactcgcgga 420
t 421

<210> 9073
<211> 475
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-110-Q1-N6-F6
<400> 9073

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tcttatgcga cctgtacctt atgaaagagc tgatacaggc accatcaaga tggggcgctcg 120
gagcaacaca tgggttgccct gctaaaccag gacctctgac cagcagcgat tgctgcatgt 180
gaaaaacgga gccttcaacc gtaccagagc catcaggcaa cggcaactgc tgtggtagct 240
ttatgaacgt tgatgcttca acaccaatta gctgtatgac aacaggtacc tgtggcgcat 300
gtatatgaca cagaacatca agggacaaca actacaacaa ctggagctaa caaaccttgc 360
tggctactct cagcaacagt caatggcttc cattcaacca actaagtaca ttgaactctg 420
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<210> 9074

<211> 518

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-110-Q1-N6-G10

<400> 9074

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cgctgagac cagcgggtcat tgggggtgga cccaatttgc tcttgctaat gggaccaccc 120
tctgtctact ggggttgccct cgccgaagcc ctctgactc cagctgcgtt aaatacgata 180
gttctttgcc ttcaaacttg cttttggcaa agaaccgtct accaagctag aaggggggag 240
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tcttactatc agccaccttt tgaaatttca aatgcaaagt gtgggtcgga acctattctt 360
tctattagct acctctcatg agcgaacact gaatagccct tgccttactg gagcgcaccg 420
ctattgtcat ggaacactgc atgcacctat agcatagct gcacttncag gaagcttaaa 480
tatgggcaac aactgactat actcacctgt tgggtggt 518

<210> 9075

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-G3

<400> 9075

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ggacatccca accgtacaac cccgtagtgt ttaaaacacg ggggcggacg attagttgga 120
actattgaaa gctactatag cagtttgggg gacttgcttg ttgtaaacaa gggatctgaa 180
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tgctttcacc cgtccataaa tactgttttc cataataccc taaattataa ggctgatcct 300
gtgtggcccc atcgggagcc ggatacttaa ggggtgtttg ggaacaaaga ttttctacag 360
gtttggaaaag aatactgcac tattctcaaa tactgcagta ttatgtacag agtggcgttt 420
ggcaagctag ctaaaatctc attttttaaa actgacatat cgcaaatact atagtaggtc 480
taagctattc taaacttaag tctggacctc agtttttaaa actgccgtat tgaaaactgc 540
ggatttgtca tgactaaagg atactgtagt atttctaaca ggtaggggtg gcgtaacgca 600
aattccttc 609

<210> 9076

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-G9

<400> 9076

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tcatatatgt gttatattgt caccttaaact gtaattaact ggatagctgg ttacagcgt 120
gaaatactga taaaatcata atgttacaca acatactagc cttgaacatc atgcgtatat 180
cgtgagggtgc ctaattagtg aacagactca catt 214

<210> 9077

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-110-Q1-N6-H2

<400> 9077

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ccaaatcttt tttcggaggc tgcttttatt ggtcatcccc cacctgctat ggggtgcacg 120

tgtccctgcc tctttacgtt tctggatggc ttgggctggg ctggggccat tctcacaact 180
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 ccgctggctg gggctcccta ctgcgccagg gcgcccgcgg acgagctctt tttaccaatc 300
 attatggcca cagggctgac accctcagat gacgatgatg gacgtgcagt cctgctcaca 360
 gcagcttcag atgatgatgc tgcttgagcg tgccgctgcc gccagcagca tcctgtacta 420
 gccagctctg atgcagcagc agcagc 446

<210> 9078

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A1

<400> 9078

ctgcntcttc caccaccgcc tgtgagtatc cccgaggccc ggntggggga cgagatgcct 60
 cgtctcgecc tatgcttgcc actcccgcg gcaacgacac gcgcgaggag gatgagatca 120
 ccaccgcgga ggctcatgtg ngagaaagac gccgcgcgga tggacgctgc cctcctcatg 180
 cggactacgc ccaagatgga cgagtttcac accgggggcg atctggactc aactggaagt 240
 ggaagcggca tctcggggcc aagcgctcc aaaagacagc taaaagaag gggatcgtgg 300
 cggcaacgag tcagcaggtc cagcatccat gcttatcctt ttcctttgtg tttctatttg 360
 atctgttttt ttgcccgcgc cagcaacaga gaagaatgtg gtctgggctg taatgggtca 420
 gcaggtaacac catccacgct catcatttcc tttgtgtttc tgtttgatct atttttttaa 480
 aattttttta tcagtttgat tagcatccac ttgcatccgc tcatagtttg attcgtgttc 540
 gttggatggg cctcaaaata ccagttgctt cgactacact ctctgaattt cgcagatcaa 600
 gataaaacc 609

<210> 9079

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A11

<400> 9079

naacaacata naagtgggnat acagtagcaa caatagagca acaatggcgg ccaagnaatt 60
ttccatcctt atgctccttg ctctttctgc atgtgttgc aacgcgacca tttttcctca 120
atactcacia gctcctatag ctgcccttct tccccatac cttccatcaa tgaccgcttc 180
agtttgtgaa aaccagccc ttcaacccta caggctcaa caagcaatcg caacaagcaa 240
cttaccttta tcacccctgt tctttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcagggcac aacagctgca acaactcgtg ctaccagtga tcagccaagt 360
agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
gtctacactg aacctgtgtg cttatttaca acaacaacaa ctactaccat tcagccagct 480
agctactgcc tactctcagc agcaacaatt tcttccattt aaccaattgg ccgactgaa 540
ccctctgct tatttccagc agcaaatact actaccattt ggccagctag ctacaacaag 600
ccccacttc tttttg 616

<210> 9080

<211> 628

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A2

<400> 9080

anagctcggc gttgntatgt ggttatacta cttatcacia attggtggag gaatcattag 60
cacgactgaa gaaaaaagag attgccttct ttgccccact ggattttctg ccaacatggc 120
tgcaattaca gccctgggga gtattacctc tcttttgtcc cctggaagaa aacctgcaga 180
gcaogagaga attgccatct tctcagatgc gctgaaccat gcttcaatca ttgatgggat 240
tcgccttttg gagcggcagc aagaagcatt agtgtttgtg tacaagcact gtgacatgtt 300
ccatctcgat ttctgtgtgt ccagttgtct attggaaaag aaagttgttg tcacagatag 360
cctgttcagc atggatggtg atttcgtctc atttctgaa cttattaaat tacgcagaaa 420
gtatggttat ttgttgggtc tcgatgatgc tcatgggaca cttgtttgcg gtgagaatgg 480
tggtgggtgca gctgagctgt ttgaatgtga aaaggacatt gacatagggtg ttggcacctt 540
aagcaaggct gccggctgcc aggttggttt tataacatgc agcactcaat ggaaaagctg 600

attcagtcgc gaggtcgctc gttcatat

628

<210> 9081

<211> 625

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A3

<400> 9081

actagcaaca tagnaagcac aatagtgtac caacaatggc agccaaaata ttttgctcc 60
ttatgctcct tgggtcttct gcaagtgtg ctacggcgac cattttccca caatgctcac 120
aagctcctat agcttccctt ctcccccggt acctctcacc agcgggtgtct tcggtatgtg 180
aaaacccaat tcttcaaccc tataggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg acagctttga actctctgct ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca caaccacaat 600
tggttgcggt ctaccagcac gctgc 625

<210> 9082

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-A4

<400> 9082

cagnattttg ccctccttgc cctccttgct ctttcagcaa gcgttgctac cgcgactatt 60
attccacaat gtcacaaca atacctctct ccggtgacag ccgcgagatt tgaataccca 120
actatacaat cctacaggct acaagaggcc atcgcagcaa gcattctacg gtcgtagca 180
ttgaccgtcc aacaaccata tgccctattg caacaaccat ccttaatgaa tctatatctc 240

caaagaatcg cagcacaaca actacaacaa cagttgcttc caacaatcaa tcaagtagtt 300
 gcagcgaacc ttgctgctta cctccagcaa caacaatttc ttccattcaa tcaactagct 360
 ggggtgaacc ctgctgctta cttgcaggca caacagctac tgccattcaa ccaacttgct 420
 ttgacaaacc cagcagcggt ctaccaacaa cccatcattg gtggtgccct ctttttagatt 480
 tcttatgagt tatagttcaa taataaagat ttttgtctga tgtttgtggc ttcccagaaa 540
 aagaaataca tttct 555

<210> 9083
 <211> 633
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-A5
 <400> 9083

gegaatttcg accaagnaag ccgcataacc tccgtccatc ccacccccgc tcgcctctcc 60
 tctctctgcc ccgctctaga cgatcgatgg ccgcgacggc ggcggaggag atggagagga 120
 tgggtggaggc ggaatgggag gaggggaagc aggggatgag gaagaggaag cggtagcggc 180
 tgggtggagta ccgggcgctg ccggccttacc tgcgggacaa cgagtacatc caccgccact 240
 accgctgcga gtggccgctc ccgcaggtgc tgctctccgc cttctccatc cacaacgaga 300
 ccctcaacgt ctggacgcat cttataggat ttttcatctt tctcgctctg accatataca 360
 cagcaacaca agttccaaat gcagtagata tccggagctt gcagcatttg ccagatgtac 420
 tgagaaaggc tgatattcat aagattcagg cagagcttgt gtcattgtctt ccgtcgttac 480
 ctcaaccttc agatctacaa aagctgaagg atgagctgaa gacctcttgg aattctatgg 540
 aggttcttcc atctctgtcc cgttggcatc tcttgagatt actcgcaaat tgtctgccac 600
 acagatttac ccacccaat gaaacaagtt tgt 633

<210> 9084
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-A9

<400> 9084

gngcttatct gtgttgagtt gggcaaagag aggaagtata ccaatgtccc aaaagctaag 60
atgatcactt atctcttgaa attagtttca cgaaagatgg aaagatgggc aactcaagga 120
tgataatgca aatgttatgt tattagagca ggataacaaa gatgaaacac aatgaagga 180
atctgaggaa caagaacaat caccgacct caaaactgca aactctgact catcaatacg 240
tagagaggct catgcctggt gttcagtggg gtgcagcaat gttgcatgcc aagccacacg 300
gaatgcagga gataattatt gcaaacgttg ctcttgctgc atttgcaata aatatgatga 360
taacaaagac cctagcttgt ggttggtttg cagctctgat aatccataca gtggttggtc 420
atgtggtgtc tcttgtcacc taaactgtgc tctaaagaat aaaaaggctg gcattgtcaa 480
taatggctgc aacaagttag actgtagttt ctactgtggt agctgtggga aatcaactg 540
gctaattagg tctcttctg actgttttgg ttcattaaca tgccatagga aattatgaac 600
tctgttaacc taattcctct ttaggcctga ccatcaaaa ctagtatcgc c 651

<210> 9085

<211> 625

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B1

<400> 9085

tgtgccagg tcgccacccg gcgcgccggg ccgacgccac cgggacgggg ccgctcctgc 60
cggacgccac tcgcgcggtg gtggcgaggt tcgtcgccac agccatgttc gtgttcgccg 120
ccgaagctcc gtctacggcc tctggaagct gtacaaggac acggcaacgc cgggcggcct 180
gctcgcggtg gccatcgcg acacgtggc gctggtggcc gcggtggcgg tagcgagcaa 240
cgcgtcggtt gggcacgtca accctgcggt cacgttcggc ctgctcgtgg gccgtcgcat 300
ctctttcggc cgtgccgcgg tatactggct cgcgcagatg ctgggcgcgg tggtcgcgtc 360
gttgctgcta acgctcgtct ccggcggcac gcgtcccggt ggcttcgggc tcgtccgcgg 420
cgtccacgag cggcacgcgc tctgtctaga ggccgtcatg acgttcgggc tcatgtacgc 480
cgtgtacgcc accgcggtgg atcaccggag ccggggcggc gcggtcgcga tcgcgcacct 540

cgccatcggc ttcgtcctgn gcgcgaacat cctcgccggc ggcccgttcg acggcgccgc 600
 gatgaacccg gcgcgggCGT tcggg 625

<210> 9086

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B11

<400> 9086

gnaaaagtaa aactagtttc gccatgttgg cgcattattca agtgaagaca acttcgtacg 60
 gggcgatccc aaagcccaat tgaatgaatc agcagcgagg ccgaagcctt tgaggagatt 120
 ttaaagtact gtggggacgt ctgtgccttc tctagcgcca ggggaattgc agctattttg 180
 gagaaggcag gttgcgaaca tgtgaaaact ttggcgcaag ccgaagctgc tttatgtatt 240
 gatgatacga aggacccctc ggccgaagca agcttagttg gtggaaaatt cttcactgac 300
 atctgggaaa atgggtgggCG agggatggcc cacgaaataa taaagaagag cgaaaaagat 360
 actcatgatg ctaaggaagc aacgaaggca gctgaaaaag ctgtggaact cgaaaggcgg 420
 atagagccct tcgagtcatt ggtcgaccca gagggcaagg aatcaacaga aattattaac 480
 atggccgaaa gcattatgga cgaagtcgtt actcaactgc tgaccgaagc tgcagacaaa 540
 gttttgaaag aagaagatag atattgtaaa aatattgcta gaatattaat gtaacatttg 600
 ttggactatg cttgtaatat tgggtgctcat aggttctta 639

<210> 9087

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-B12

<400> 9087

tgnaaatttg caaataacttg ggatggctgc tttattgagt tctgacgaaa gaaatggacc 60
 gtgttttagg gattgatggg gtacagctca tcggcatcaa taaccgtaat ctcgagacat 120
 ttgaagttga tattacaaac acaaaaggct tctggaagggt gaacgaggac aggttatagc 180

tcaaaaggat gtaattgttg taggagaatc tgcgctgttc actcctgatg atatttcgtt 240
 cggttcaaaac gctgggggtca aagcgggttct cgtcggggaa tccctcatca agcaggagga 300
 tccaggga gcaatctctg ggcttttcgg caaagatatc tcgcatgctg gtgctaccta 360
 gagacgacgc agaagagcaa cagaataagc cagaaacgct actccgggtt gcatcatttt 420
 gtgtagggga gaaaatcgag cggttgcaatc tgaaatccac cttttcgag agttttgatc 480
 ggtcgttttg ttacctgac ctgccaaactt ccccatgctg ctattttttt ttgtgaccga 540
 gccatctcaa taattacaga ttttagtgca caagatgtat atgttcaaaa attggatgta 600
 gttgcaagca gcttgatttt 620

<210> 9088
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-B3
 <400> 9088

tagnacgga gcggtcgccc tttttttttt tttttctaac aaaactgagt tctattttac 60
 aaaaattcat caaaattata ggactctgtc agatattgtt aacattttat ttcctaaata 120
 atatgatata ggactcagtt ttgttagaaa aaaaaaaaaa aaaaaaaaaa aaaaggagag 180
 agggagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggaaaaa aaaaaacaaa 240
 caaaaaaat cctaaagtga aaaagttata aaaaatagaa ggggggtttt tttaaaaatg 300
 gccaggtggt ttaaaacctc aggcagtggg gaaaaccctg ttttttgggg cgctccatt 360
 ccttttttgg gcggtggccc ctttt 385

<210> 9089
 <211> 610
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-B4
 <400> 9089

ctgtctagca naaaagcctc gctttgccaa aatgtgattg gaatggccac attgcaggat 60

cctcatctgc cggcacaaaa gcagactata aattgctatt caggatgtcc atcgtctgca 120
gaactttcta gaatatggtc ctctgtttca gatattccta atgtagcacc tgagccaaac 180
tgtgagcaag gaataagcat gatgagcatc agcgacagtg gtgtcagtaa tcaagataat 240
gctgcagggg acagtatfff gttagatata gctagtgcaa cacttgtaag tgatattggc 300
acttgtgaca agcttttggc aggttcctct tcaggagctg gagtgaacct acttccactg 360
gctactggtc aaacagaaac agctggatct gtggattcca caccagataa ggttccttat 420
acgccagata aagatatggt cagtaaggac agcatatatg aagatttttg tgtggatgac 480
gctgaccttg ctttcgaaaa ttatgaagaa ctctttggta cctctcatat tcaaacagaa 540
caactctttg atgatgctgg aatagacatt tactttgaaa tgaaggaagc acctgctggg 600
aattccactg 610

<210> 9090

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-C11

<400> 9090

tgcgcttctt gcgctttttg cgagcgcaac aaatgcgttc attattccac aatgctcact 60
tgctccaagt tccattatta cacagttcct cccaccagtt acttcatggg cttcgaacac 120
ccagctgtgc aagcctatag gctacaacaa gcaattgcgg cgagcgtctt acaacaacca 180
atttccagct tgcaacaaca atccttggca catctaaca tacaaccat cgcaacgcaa 240
cagcaacaac aattcctacc agcactgagc cacctagcca tggatgaacc tgccgcctac 300
ttgcaacagc agttgcttgc atcaaaccga cttgctctgg caaacgtagt tgcaaacag 360
ccacaacaac agctgcaaca gtttctgcca gcgctcagtc aactagccat ggtgaaccct 420
gccgcctacc tacaacagca acaactgctt tcacttagcc cgctcgtgtg ggccaatgca 480
cctacatacc tgcaacaaca attgttgcaa cagattgtac cagctctgac tcagctagtt 540
gtggcaaacc ctgctgcta cttgcaacag ctgcttccat tcaaccaact gactatgtcg 600
aactctgctg cgtacctaca acagcgacaa cagttactta at 642

<210> 9091

<211> 649
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-C12

<400> 9091

atttgagctt cagaaaacac ctgagcgaac gcactagcaa cgacctaaca acaatggcta 60
ccaagnaatt atccctcttt gcgcttcttg ccccttttgt gagcgcaaca aatgcgttca 120
ttattccaca atgctcactt gctcctagtgc ccattattcc acagtctctc cctccagtta 180
cttcaatggg cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgagg 240
cgagcgtctt acaacaacca attgcccatt tacaacaaca atccttgga catctaacca 300
tacaaccat cgcaacgcaa cagcaacaac aatttctacc agcactgagc caactagctg 360
tgggtgaacc tgctgcctac ttgcaacagc agttgcttgc atccaacca cttgctctgg 420
caaacatagt tgcataccaa caacaacaac aattgcaaca gtttctacca gcgctcagtc 480
aactagccat ggtgaaccct gccgcctacc tacaacagca acaactgatt tcacttagcc 540
ctctcgctg tgggttaatgc acctacatac ctgcaacaac agttgctgca acagattgta 600
ccagctctga ctgagctagc tgtggcaaac cctgctgcct acttgcaac 649

<210> 9092
<211> 398
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-K6-D1

<400> 9092

tccgcccng catatcacag tgacagacac gatggtgagc gccagaattg ttgtcctcct 60
cgccacctc ctatgcgctg ccgccgcagt cgcgtcgtcc tgggaggacg acaaccacca 120
ccaccacggg gccacaagt ccgggcaatg cgtgcggcgg tgcgaggacc ggccttgga 180
ccagcgcccc cgggtgcctgg agcagtgcag ggaggaggag cgggagaagc ggcaagagcg 240
gagcaggcac gaggccgacg accgcagcgg cgagggctcg tcggaggatg agcgagagca 300
ggagaaggag aaacagaagg accggcgccc gtacgtgttc gaccggcgca gctttcgtcg 360

cgtgggtccgg agcgagcagg ggtccctgag ggtgctcc

398

<210> 9093

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-D11

<400> 9093

caccctcttg gcgnaagcga aaccaccgta caccgctgcc tccctctccc tgtctcgtct 60
cgtcgaacca gccgaggaag ccaacgcaga ccagcgatc ctcgtcgcgc gtcctcctcc 120
cccaggaggg aaggatggcg gagcccaaag cggcggcgcc gccgaggaag acgcgggtgg 180
gcccgtacga ggtcggcaag accatcggcg agggcagctt cgccaaggctc aagcacgcgc 240
gcgactcccg caccggcgcc gtccgcgcga tcaagggtgt cgaccgcaac cacgtcctcc 300
gccacaggat ggtcgcgagc atcaagcggg agatttcgac tatgaagctg atcaaacatc 360
ccaatgtggg acagctgcat gaggttatgg cgagcaaaac gaagatatac atgggttcttg 420
aatttggtga tggaggcgag ctatttcgata agatcgtcaa ttctggaagg ctaggagagg 480
atgaagctag gatatacttt catcaactta taaatgcagt tgattattgc catagccgag 540
gagtgtacca tagagacctg aagccagaga atttgcttct ggattcaaat ggagctctta 600
aagtttcaga cttcggccta agtgcatttg caccaca 637

<210> 9094

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-D12

<400> 9094

cccgccgctt cgcgtggagc tcgattgcga cacagcccca gaccgcgatg cagatctcgg 60
ctgcgacgcg gctgccaacg gcagcgcgcc ggcgtccgcg cgcgaggacg gtcgtcggct 120
gtcggggcgtg cgtgggtgccg tgatctgcga cgaacggcgc gggcgaccgg gtctgtgaga 180
ctgcgacgga gtgacgccgg ccaaggacgt cgcgtggggt gcggccggcg cttcgccggt 240
agccagatct gctacgtagc agaagggcag gcacgcgcag atcctctggc tgtcctgtcg 300

gcctcttctg cagctgttcc agacagtgga agcaactatt agacaagcca agtttaacag 360
 tacagtacac gtgaatactt cgccctcaag tcttgaaccc acacagccaa caaatacgtg 420
 tagtactcat cagatatatg gcacaggaga tgacgatgtt gctggttccg cagacgttga 480
 tgctgagtaa cgttgcagtg cttt 504

<210> 9095

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-D2

<400> 9095

ccanacagca aacggcagtg cgtagagagg atcgtcgaac agaacagcat gaagatggtc 60
 atcgttctcg tcgtgtgctt ggctctgtca gctgccagcg cctctgcaat gcagatgccc 120
 tgcccttgcg cggggctgca gggcttgtag ggcgctggcg ccggcctgac gacgatgatg 180
 ggcgcggcg ggctgtacct ctacgcggag tacctgaggg agccgcagtg cagcccgtg 240
 ggcgcggcg cctactacgc cgggtgtggg cagccgagcg ccatgttcca gccgctccgg 300
 caacagtgtt gccagcagca gatgaggatg atggacgtgc agtccgtcgc gcagcagctg 360
 cagatgatga tgcagcttga gcgtgccgct gccgccagca gcagcctgta cgagccagct 420
 ctgatgcagc agcagcagca gctgctggca gccaggggtc tcaaccccat ggccatgatg 480
 atggcgcaga acatgccggc catgggtgga ctctaccagt accagctgcc cagctaccgc 540
 accaaccctt gtggcgtctc cgctgccatt ccgccctact actgattcat gatatttggg 600
 aaatctcttc tatccatctc tctctatcta tatat 635

<210> 9096

<211> 303

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-E2

<400> 9096

tgtttatttg cnagcagcaa tactactacc atttagccag ctagctgcag caaacctgtc 60

ttccttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg ctaacccgc 120
 aacctcttta caactacaac aattgttgcc ctttgtccaa cttgctttga cagaccagc 180
 ggctcctac caacaacaca tcattggtgg tgcctcttt tagattgctt attagttgta 240
 attcaataat aaagtttttt ggatgatgta tgtggccaac cagaaataag aagttacatt 300
 tcc 303

<210> 9097
 <211> 627
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-F12

<400> 9097

gtcagcctag caattagctc atcgactcca natggagact cgacccatga agtgctgac 60
 gttgcccttg ctctcctggc gctcgctggc agcgccgcct ccagtacaag cggcggtgt 120
 ggctgccaga caccaccgtt tcattctacc cctccgttct atatgccgc tccgttctat 180
 ctgccgcgc agcagcagcc gcagccatgg caatacccca ctcaaccacc gcagctaagc 240
 ccgtgccagc agttcggatc ctgcggcgctc ggcagcgctc gcagcccgtt cctgggccag 300
 tgcgtcgagt tcctgaggca ccagtgcagc ccggcgggcga cgccctacgg ctgcaccag 360
 tgccaggcgc tgcagcagca gtgctgccac cagatcaggc aggtggagcc gctgcaccgg 420
 taccaggcga catacggtgt ggtcctgcag tccttctctc agcagcagcc gcagggcgag 480
 ctgcggcggc tgatggcggc ccaggtagcg cagcagctga cggcgatgtg cggcctgcag 540
 ctgcagcagc caggtccctg cccttgcaac gcagctgccg gcggtgtcta ctactgagga 600
 aactatgtac tgtagtaata atgtaat 627

<210> 9098
 <211> 614
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-F3

<400> 9098

gncgtgcact accaagcggt cctgattccc aaaggtggaa ggtgatgcc ctgttcagta 60
 acctgcacta cagccccgac tacttcgagg acccacacaa gttcgaccct tcccgattca 120
 aggtggcgcc gcggtccggt acgttcctgc cgttcgggag cggcgtgcac gcgtgccccg 180
 gcaacgacct ggccaagctc gagatgctcg tctcatcca ccgcctcgtc accacctaca 240
 ggtgggaggt ggtggggctc agcgacgaag tgacctacag cccgttcccc gtgccgaaac 300
 gcggcctcct ggcgaggctc agcagggcca ccaccggcag cgcggtcgtc ggccgtgcgc 360
 cgctctgta cattggagga cctgcaggcg ctagctatag ctagctctc ggaccaaag 420
 gcaatgcatg caaccaagca cccacgagat agataggccc ggcaggcggc aggggacgac 480
 gacacacaca tgcagacatc gtccagtcac gtggcagtag caagctagta ctactactac 540
 tgtgtgtgct gccattctgc atgcattgag ttcctctcat tctcgtgttc cttcatggca 600
 tgtgtttcct tcct 614

<210> 9099

<211> 628

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-F5

<400> 9099

tctccggggc ccacagnaga atggagcttt caggtggacc agtggttaacc gagtttgaat 60
 ccttaaggaa tgcaaacttt caaaatgcgt tcttttctaa caagggttgg tttggaatgc 120
 actgatcttg aggcgatatt ggtcaaggat cgcgttctta caaatgagtg tgttgataaa 180
 ataattggtt ttgctttgag ccatcaactt aagaactgta caaatccaga ccccccttg 240
 agtaatgtgc agtttgttct atccagcgaa agccttaagc atggtattga catgttgga 300
 agtatccagt ctggctcgaa gagcagcact aaaaggaaat cactgaagga tattgctact 360
 gtaatatgag ttgaaaaga ggcttcttgc agatgttatc cctccacatg aaatcggtgt 420
 tacctttgag gacattggag ctttagaaag tgtcaaagat actctgaagg agttagtgat 480
 gcttcctttg caaagacctg aactttttaa ccgaggacaa cttatgaagc cgtgtaaagg 540
 aattttactt tttggccac ctggtactgg aaagacatgc ttgctaaggc tgtggcanac 600

tgagctggtg ctaatttcat taaacata

628

<210> 9100

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G11

<400> 9100

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gcggccaaagn aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
accatttttc ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca 180
tcaatgaccg cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca 240
atcgcaacaa gcaacttacc tttatcacc ctgttctttc aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca 360
gtgatcagcc aagtagctct ggcaaaccct tctccctact ctcagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta 480
ccattcagcc agctagctac tgccctactc cagcagcaac aatttcttcc atttaaccaa 540
ttggcgcgac tgaacccctc tgcttatttc cagcagcaaa tactactacc atttggccag 600
ctagctacaa caagccccac ttcttttttg aaacaacaac aattgcttc 649

<210> 9101

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-K6-G12

<400> 9101

ggcaaactag ttgcaaacca gccacaacaa cagctgcaac agtttctgcc agcgctcagt 60
caactagcca tgggtgaacc tgccgcctac ctacaacagc acaactgct ttcactagc 120
ccgctcgctg tggccaatgc acctacatac ctgcaacaac aattgttgca acagattgta 180
ccagctctga ctcagctagt tgtggcaaac cctgctgcct acttgcaaca gctgcttcca 240
ttcaaccaac tgactatgtc gaactctgct gcgtacctac aacagcgaca acagttactt 300

aatccactag cagtggctaa cccattgggtc gctgccttcc tacagcagca acaattgctg 360
ccatacaacc agttctcttt gataaaccct gtcttgctga ggcagcaacc catcggttga 420
ggtgccatct tttagattac atatgagatg tactcgataa tgggtgccctc attccggcat 480
gtgttttcta gaaataatca atatattgat tggggg 515

<210> 9102

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G2

<400> 9102

gnganaccaa tancaacata gnaaaggcac aatattgtac caataatggc agcncaaaat 60
atthttgctc attatgctcc ttgggtctttc tgcaagtgtc gctacggcga gcattttccc 120
gcaatgctca caagctccta tagcttccct tcttccccca tacctctcac cagcgatgtc 180
ttcagtatgt gaaaatccaa ttcttctacc ctacaggatc caacaggcaa tcgcagcagg 240
catcttacct ttatcacctt tggttctcca acaatcatca gccctattac agcagttacc 300
tttgggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac tcgtgctagc 360
aaaccttgct gctactctc agcaacagca gttacctttg gtgcatttgt tggcacaaaa 420
catcagggca caacaactac aacaactcgt gctagcaaac cttgctgcct actctcagca 480
acaacagttt ctgccattca accaactagc tgcattgaac tctgctgctt atttgcagca 540
acaacaacta ctaccattca gccagctagc tgctgcctac ccccggaat ttcttccatt 600
caaccaactg gcagcattga actctcatgc ttatgtacaa caa 643

<210> 9103

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G4

<400> 9103

ttcgtccgca gnaacacacc tagcgcaacg cactagcaac gacctaacaa caatggcttc 60

caagacatta tccctccttg cgcttcttgc cctttttgtg agtgcaacaa atgcgttcat 120
 tattccacaa tgctcacttg ctccgagtgc cattattcca cagttcctcc ctccagttac 180
 ttcaatgggc ttcgaacacc cagctgtgca agcctatagg ctacaacaag cgcttgccgc 240
 gagcgtctta gaacaaccaa ttgcccatt acaacaacaa tccttggcac atctaaccat 300
 acaaaccatc gcaacgcagc agcaacaagc actgagccac ctagccgtgg tgaaccctat 360
 cgcttacttg caatattttt tgcttgcac caaccactt gctttggcaa acgtatctgc 420
 ataccaacaa caacaacagt tgcaacagtt tctaccagcg ctcagtcaac tagccatggt 480
 gaaccctatc gcctacctac aacagcaaca acttctttca tctagcccg tcgctatggg 540
 caatgcacct acatacctgc aacaacagtt gttgcaacaa cagttgctgc aacaaattgt 600
 accagctctt actcagctag ctgtggc 627

<210> 9104

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-G5

<400> 9104

cggcagttta agcatccatg gggggggcgt gcgttctcca cctcatccaa tgctctgccc 60
 tgggtcttggc tgcgcagggg gggtcaccca acacagtcaa gacgccatgc agctgctgcc 120
 atttcagatc cttttttttt tgttggcccc atgaaactcc aaatcccggg gggggggggc 180
 ggaagttctg acaactttta tattcaaaaa agagaatcat gagcgcaata tatccatgac 240
 aagttagttg ttaagagatg ttcacgtggg aactttgtgt agtttctaca atacgacact 300
 caccagtgat tcacttcggc gcngtggggc tcttgtgtat ttgttacagg aaggg 355

<210> 9105

<211> 619

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H1

<400> 9105

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 taacatttct cgtcctgtgg atgttcttga tgttggtctc ctatgtgac tggtatggtc 120
 ggaccctgat aaggagattg ataggtgggg tgagaatgac aggggtgttt cctacacctt 180
 tggagctgac gtagttgccg agtttcttca gaaacatgat ctagatttga tctgcagggc 240
 ccaccaggtc gtagaggatg gttatgaatt ttctgcaaaa cgccagcttg taacaatatt 300
 ctcagcaccg aactactgtg gagagtctga caatgctggg gcactgatga gcattgacaa 360
 ctccctagta tgctcgttcc agatactcaa gccttctgag aagaaaggaa aagcaggaaa 420
 tgggaacatg ccaaagcccg gtacacctcc caggaagata aaaataagtg ttacctatat 480
 ttagccaggt tctcgtctatc aatctgcatt tgcgaagttg tgattaagtg tcccccaaa 540
 cttgtggtaa gttttttttt tggtgagctt aacacgattt taaactgtgg accatcgtgc 600
 ctcatgtctt tctgatctg 619

<210> 9106

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H10

<400> 9106

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 cttcgcctca agaagtgtctg caagatcggc gttacaagaa ccgggagctg caacttatgc 120
 gtgccatgga gcaccccaac gtcactctgcc tgaagcactg cttcttctcg acaacgagca 180
 gggacgaatt gtttttaaac cttgtcatgg aattcgtccc tgagactcta taccgagtcc 240
 tgaagcacta cagcaatgcg aaccagagga tgcctcttat ctacgtcaag ctctacatgt 300
 atcagctttt tagaggccta gcttatattc ataatgtacc aggagtctgc catagggatg 360
 tgaagccaca aaacgttttg gttgatcctc tcaccaccca ggtcaagctc tgtgactttg 420
 gtagtgcaaa agttctgatt cctgggtgaac cgaacatatc ttacatatgn ctctcgttac 480
 tatcgtgccc ctgagctcat atttggtgcg acggagtata caagttcaat agacatatgg 540
 tcagctgngt tgtgttctag ctgagttgct tcttgacag ccactatttc c 591

<210> 9107
 <211> 625
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-111-Q1-K6-H2

<400> 9107

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 attcctctaa gacggcttat aacagctttt ggaacgggtac aacatccttt gagccggcta 120
 aaagaattgg aagagttggg ctccctccaa atgtaaattc ttcatttggc tagcctctct 180
 caatcggtgt tggacggctg acagattggc cgggaggt atggatcatc atgacaaatg 240
 cctattttgc gatcaacagg aagaaacagt ccagcatatt ttgctctctt gtgtgttctc 300
 cagaaacatt tgggtggcggg tgtggtgtaa agtggggatg caacatctgg cacctgggcc 360
 tgaggacatg attttccaag attggtggag caatgctgaa ggccagggtc ctaaagagaa 420
 gagaaaaggt tttaacacgt tggtaatcct tgtggcttgg tggctgtgga aacatcgaaa 480
 cacttggtgc ttcgagggag cttccccgag cactagagat atcctgcagc acatccatga 540
 ggatgctatg ctgtggggta tggccgngc tagagggtt aagggttat ggccttaagt 600
 ctaggagggt ctgctgttgt gtcatt 625

<210> 9108
 <211> 614
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-111-Q1-K6-H6

<400> 9108

 gtgattgggg agagccccca tgatcgaaat cgcagcgcgc tccgtgaacc tcagagagaa 60
 caaacgcct ccaggctggc tggatgatat caccgacggc gctgtggaat acatgcctga 120
 ggatgagggtg aagagtgtgg ctgccgagca gctgaagatc tccatggaga ggattgcctt 180
 gctcaaggca gccaggccaa aggtcccacc cgcaaagacc gatcaagagg aggaagagga 240
 gcgaaagcag agcgaggaac tagatgggtt tggaaacccc aaggccctc gacgctctcc 300
 aagctcaccg cggaggaggc tgagcaccgc gctctccagg ctgccgtgct tcaggagtgg 360

caccagctat gcaaagagag agccatgaaa gcgcagtgag gtcgatttgg accgtgtgga 420
tcttacgcgc atgtataatt ttgtatTTTT tcttcgtctc ccattctttg cgtgtctata 480
ctgctgggtt cactcactgt ataccgtcgc cgatttggtc attgtattct caaataacttg 540
tgcacgaaaa aactgttttg taacatacta ctggttagggc.gtttttaagc ttcggtgtga 600
agatcgattg taca 614

<210> 9109

<211> 494

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-111-Q1-K6-H9

<400> 9109

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cagcaatttc ttccattcaa ccaactggca gcattgaact ctcttgctta ttacagcag 120
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa 180
ccacagttgt tgccgttcta ccagcacgct gcgcctaacg ctggcaccct cttacaactg 240
caacaattgc tgccattcaa ccaacttgct ttgacaaacc cagcagcggt ctaccaacaa 300
cccatcattg gtgggtgccct cttttagatt tcttatgagt tatagttcaa taataaagtt 360
ttttgtctga tgtttgtggc ttcccagaaa taagaaagta catttctnan naaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
agggggcggcc cgtt 494

<210> 9110

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-A4

<400> 9110

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ctattattcc acaatgctca caacaatacc tctctccggt gacagccgcg tagattgaat 120

acccaactat acaatcctac aggetacaag aggccatcgc agcaagcatc ttacggtcgt 180
 tagcattgac cgtccaacaa ccatatgccc tattgcaaca accatcctta atgaatctat 240
 atctccaaag aatcgagca caacaactac aacaacagtt gcttccaaca atcaatcaag 300
 tagttgcagc gaaccttgct gcttacctcc agcaacaaca atttcttcca ttcaatcaac 360
 tagctggggg gaaccttgct gcttacttgc aggcacaaca gctactggca ttcaaccaac 420
 ttgctttgac aaaccagca gcgttctacc aacaacccat cattgggggt gccctctttt 480
 agatttctta tgaggatatag ttcaataata aagatttttg tctgatgttt gtggc 535

<210> 9111

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-A6

<400> 9111

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 atctgtatat ttttgtcgag agcatcagtt tcttagacac cacctatgta tcatgtgttt 120
 gttgccatct agtgtcattt tgaaagatct aacttgtgat atacttggat tgagtgggat 180
 gggtgaaaat agtgaaagtc ctttaacaaa aaatcaaagg tacgaaaacc ggacgcgtgg 240
 ggggccccctg taaagatggc accgttacct gcacgcgcac cegatttctt aattcttagt 300
 tgggttaaac ttagtcacaa tcatgggcct agg 333

<210> 9112

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-B3

<400> 9112

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 aaaattcatc aaaattatag gactctgtca gatattgtta acattttatt tcctaaataa 120
 tatgatatag gactcagttt tgtagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacgg gcacccccaa 240

aaaaaacaag ggggcaacct tggtaaaaaa accgcccccc tgggggtcaaa aaaaaaaaat 300
 tgggggcgcgc ccccaagggg aaacccccctc cctttgcccc caaaataaca tccgggggggc 360
 gcccggtgta accccttttt tcttagaaaa aagggtta 397

<210> 9113
 <211> 602
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-C6

<400> 9113

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 cctccttatg ctcttgggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg 120
 ctgcgaagct cctatagctt cccttcttcc cccgaacctc tcaccagcgg tgtcttcggt 180
 atgtgaaaac ccaattcttc aaccttacag gatccaacag gcaatcacag ctggcatctt 240
 acctttatca cccttggttc tccaacaatc atcagcccta ttacatcaat tacctttggt 300
 gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct 360
 tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc 420
 tgcttcttat ttgcaacaac aacaactacc attcagccag ctacctgctg cctacccccca 480
 gcaatttctt acattcaacc aactggcagc attgaactct cctgcttatt tacagcagca 540
 acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc 600
 ac 602

<210> 9114
 <211> 541
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-C7

<400> 9114

gcctgtcgac gatgatgggc gccggcgggc tgtacccta cgcggagtag ctgaggcagc 60
 cgcagtgcag cccgctggcg gcggcgccct actacgccgg gtgtgggcag ccgagcgcca 120
 tgttccagcc gctccggcaa cagtgtgcc agcagcagat gaggatgatg gacgtgcagt 180

ccgtcgcgca gcagctgcag atgatgatgc agcttgagcg tgccgctgcc gccagcagca 240
gcctgtacga gccagctctg atgcagcagc agcagcagct gctggcagcc cagggctctca 300
accccatggc catgatgatg gcgcagaaca tgccggccat gggaggactc taccagtacc 360
agctgcccag ctaccgcacc aaccctgtg gcgtctccgc tgccattccg ccctactact 420
gattcatgat atttgggaaa tctctcttat ccctctctct ctatctatat atgtaataat 480
gcagtaagac gacacacatt atcatgtgtg gtatgaccaa taatatatgc atggtcataa 540
t 541

<210> 9115

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-D12

<400> 9115

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cgcatgacac ccagctgaca aggagagcg ccaagggaac gaacgcgagg actgtgggtca 120
ggctgtagac catatcagtg gatgccttga aacagcgacg agacgtggcg ctcgaaccga 180
gtgcttgcat actgtaactg agagacacca accaaaggcg tatcttgggg tgaagcccac 240
actataccgc tagccatata tgacaagcat aaaaacgtac gcccacaca gtaccgggga 300
aggtccaaca ggaactctac atgcaactgg gatagacacc aaaagcgact cttagacaac 360
aaaagcgga cagcacagct cagcggaata cgtgtccaaa aaactctgaa cccactcagc 420
caacaaatac tggggaacca tcatcatata tatgggtccag tgacatgaat atgatgaggg 480
ctacacatac ttggatgctg agtaac 506

<210> 9116

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-D2

<400> 9116

tcgccatata agcaaaggc agtgcgttat agaggatcgt cgaacagtaa cagcatgaag 60

atgggtcatcg ttctcgtcgt gtgcctggct ctgtcagctg ccagcgctc tgcaatgcag 120
atgccctgcc cctgcgcggg gctgcaaggc ttgtacggcg ctggcgccgg cctgacgacg 180
atgatgggcg ccggcggggt gtaccctac gccgagtagc tgaggcagcc gcagtgcagc 240
ccgctggcgg cggcgccta ctacgcggg tgtgggcagc cgagcgccat gttccagccg 300
ctcccgcaac agtgctgccg gcagcagatg aggatgatgg acgtgcagtc ccccccgcag 360
cagctgcaga tgatgatgca gcttgagcgt gccgctgccg ccagcagcag cctgtacgag 420
ccagctctga tgcagcagca gcagcagctg ctggcagccc agggctctca ccccatggcc 480
atgatgatgg cgcaaaacat gccggccatg ggtggactct accagtacca gctgcccagc 540
taccgcacca acccctgtgg cgtgtccgct ggcattacgc cctactactg a 591

<210> 9117
<211> 468
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-111-Q1-N6-E3
<400> 9117

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ggaactatag agccgctacc ccaagaatga catgcggctg gcagtagagt ccctatgtgc 180
caggagactc gcgcgacaca tcaccagaac cgcgcgggta ccgcaggtcc cagcctatgc 240
gcgggtagcg ccatgtctgt gtaactggta actccctgtc attggagctc gctctgcaca 300
ggcagcacia gctctgtctc gctaccatga gctatcctga aaacaacatg ggctacagcg 360
agctatgtcg agacctggcg gatccgctca gagagctcat cgtggtgaac atgtgctggc 420
gcatacggaa gacacagcaa gcgacattgt atgtatggcg tacacaat 468

<210> 9118
<211> 520
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-N6-E6
<400> 9118

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 tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 120
 cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac 180
 cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca cagttgttgc 240
 cgttctacca gcacgctgcg cctaacgctg gcaccctctt acaactgcaa caattgctgc 300
 cattcaacca acttgctttg acaaacccag cagcgttcta ccaacaaccc atcattggtg 360
 gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt tgtctgngga 420
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaannanaa nncncnncnn aggggataat 480
 aaaaaaaaaa aaangngggg gggggggggc cgggggggacc 520

<210> 9119

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-E8

<400> 9119

tcgggtaatg caatgccaga tgggtctaag cacactggga gttcaagcgg tataatacat 60
 gacacatcct gtgggggatca ttctcttaat gcttgtcaag acttgcattg ccttcatacc 120
 caaataaatc gcttaaaacta gtctacagcc ataccaaaat gcaactgctg tgctgattgg 180
 cagtctacaa ccaagacagg ctcaacattt tagaaccgag tcttgctact ctgagctcat 240
 gctcgcatat gtgccttctg tgggaacact gtgcttgaat ccatgtcaac ctgtaggatg 300
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<210> 9120

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-E9

<400> 9120

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tccaaggaca cttttctacc atgcattcct aaagctaaca atagcccata tggctagctg 180
cacacgttgg cgcactcctt atatccaaag ggcaaaggtt gtctccatag tcgaacaaag 240
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aaaagatgtc gaccctcagg tccgaaagtc ttgcctgatg gtgacgctg gtttctgat 360
cgggaccaga ctatacact gccagggtgca cactttcacg tgccaagact gctgactgac 420
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attgccatag ctaccatctg cataa 505

<210> 9121
<211> 489
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-111-Q1-N6-F3
<400> 9121

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tgcaaggtat cccaatgata gaccacatat tcttatgttt gtaagcgacc tacgcgcaag 180
ccccggaggg aacctatgca atctaggaat actagaacta atagaaacgc ttgcctccac 240
atacaggtgg cacagagtgg ggtagaacta gcattgtgta cctgacacgc cgactcggac 300
gatectctaa cacgtgtctg tggcgaggct cagcaggctc accagcctat gtatggtctg 360
ggtgcttgcg cgcattgctt gcattttagg accagcaggt acttattatt agtagctgct 420
gggaccacaa tgtacagcat gcacccaagc gccacgaga gagctagccg cggtaggcct 480
gatgagact 489

<210> 9122
<211> 399
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-111-Q1-N6-F6

<400> 9122

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actatgtcga actctgtctgc gtacctacaa cagcgacaac agttacttaa tccactagca 180
gtggctaacc cattggctgc tgccttcta cagcagcaac aattgctgcc atacaaccag 240
ttctctttga taaaccctgt cttgtcgagg cagcaacca tcgttgagg tgccatcttt 300
tagattacat atgagatgta ctogataatg gtgccctcat tccggcatgt gtttctaga 360
aataatcaat atattgattg agatttatct caatntntt 399

<210> 9123

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-G6

<400> 9123

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ttaacacttt aaagcatgtg gtgtaataat ggaagaggct aactacacaa taattctttc 180
caacattatg tgccaccctt taaaggcgaa taaaacgcgc cctgaagtgg attattaaat 240
goggcaactg tgggggatac gcgcattgtg aattgtacac cttgggaggc ttctatttc 299

<210> 9124

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-111-Q1-N6-H10

<400> 9124

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ttatgcgtgc catggagcac cccaacgtca tctgcctgaa gcactgcttc ttctcgacaa 180
cgagcaggga cgaattgttt ttaaaccctg tcatggaatt cgtccctgag actctatacc 240

gagtcctgaa gcactacagc aatgcgaacc agaggatgcc tcttatctac gtcaagctct 300
 acatgtatca gcttttttaga ggcctagctt atattcataa tgtaccagga gtctgccata 360
 gggatgtgaa gccacaaaac gttttggttg atcctctcac ccaccaggtc aagctctgtg 420
 actttggttag tgcaaaagt ctgattcctg gtgaaccgaa catatcttac atatgctctc 480
 gttactatcg agcccctgag ctcatatttg gtgcgacgga gtatacaagt tcaatagaca 540
 tatggtcagc tggttgtgtt ctagctgagt tgcttcttgg acagccacta tttccaggag 600
 agagcgtgt 610

<210> 9125
 <211> 90
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-A1
 <400> 9125

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<210> 9126
 <211> 644
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-A10
 <400> 9126

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 caatgctcgc aagctcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
 tcggtatgtg aaaacccaat tcttcaacct tacaggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca acagttacct 300
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 aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact aggttcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480

ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
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<210> 9127

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-A6

<400> 9127

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tcctcaatac tcacaagctc ctatagctgc ccttcttccc ccataccttc catcaatgac 180
cgcttttagta tgtgaaaacc cagcccttca accctacagg atccagcaag caatcgcaac 240
aagcaactta cctttatcac acctgttctt tcaacaatcg ccagccctat ctttggtgca 300
gtcattggta caaaccatca gggcagaaca gttgcagcaa ctctgctac cagtgatcag 360
ccaagtagct ctggcaaacc tttcccccta ctctcagcaa caacaatttc ttccattcaa 420
ccaactgtct atactgaacc ctgctgctta ttgagcagaa caacaactac taccattcag 480
ccagctagct actgcctact ctgagcagca acaatttctt ccatttaacc aattggccgc 540
actgaacccc tctgcttatt tccagcagca aatactacta ccatttggcc agctagctac 600
aacaagcccc gcttcttctt tgac 624

<210> 9128

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-A7

<400> 9128

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cgccgcgggt tcctctaccg ccgccgggtg atctgccacc tccggttcac ctgccacctc 120

cgggtgcatct cccaccgccc gtccacctgc cgccgcccgt ccacctgcca ccgcccgtcc 180
 atgtgccgcc gccggttcat ctgccgccgc caccatgcca ctaccctact caaccgcccc 240
 ggccctcagcc tcattccccag ccacacccat gcccggtgcca acagccgcat ccaagcccgt 300
 gccagctgca gggaacctgc ggcgttggca gcaccccgat cctggggccag tgcgtcgagt 360
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<210> 9129
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-A8
 <400> 9129

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 tccacagtgc tcaattgctc ctagtgccat tattccacag ttctctccac cagttacttc 180
 aatgggcttc gaacatccag ccgtgcaagc ctacaggcta caactagcgc ttgcggcgag 240
 cgcccttaca caaccaattg cccaattgca acaacaatcc ttggcacatc taaccctaca 300
 aaccattgca acgcaacaac aacaacaaca acagtttctg ccatcactga gccacctagc 360
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 ggcgaaagta gctgcatacc agcaacaaca acagctgcaa cagtttatgc cagtgtcag 480
 tcaactagcc atggtgaacc ctgccgtcta cctacaacta ctttcatcta gcccgctcgc 540
 ggtgggcaat gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct 600
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<210> 9130
 <211> 646
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-A9

<400> 9130

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 gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcattcttacc 240
 tttatcacc ttgttctctc aacaatcatc agccctatta caacagttac ctttggtgca 300
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgct acccccagca 480
 attttctcca ttcaaccaac tagcagcatt gaactctct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600
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<210> 9131
 <211> 515
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-B1

<400> 9131

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 ggcgcgggcc ccatcggcct ggtgtcgtg ctggcggcgc gggccttcgg cgcgcgcgc 180
 gtggtggtcg tggacgtgga cgatcaccgt ctggccgtgg ccagggttgtt gggcgcggac 240
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 tcggccatgg gcttggacat cgacgtcagt ctggactgcy ccgggttcag catgaccatg 360
 ttacgggtgc tggacgcgac gctgccctgc ggtaagggtg gcctggctctg gatggctctc 420
 aatgagatga cctgccccct gacgggtggag gcgtctcttt aggtgcactt tgtgggcgtg 480

tcccgggtcaa ggacacctgg caactgggtca ttgtc

515

<210> 9132

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B11

<400> 9132

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aatcaataag cagctgatga tgtgttcaaa aatcgggaatt gcacagaatg tcacacagtg 120
aactgctgat attggattaa catgcaatct gtgctccgtg atgctgggtg cagctatgtc 180
agtatatattt tacagtgcaa aacaaattaa cttgaaatca agcattccct ttcctaaatt 240
ggaaattatg tgaaccaagg ttctggaatt cgggagcggg actgctgcat cttgtggtag 300
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ctgcactacc tgtcatgtac gggcgctcgt acgccaggca gcgtcgcgcc cgtgacaggc 420
gccgcgcaca ggagcgcgat ctgggagatc agcaggaacc tatggaaagc agtggccagg 480
aaggaaatta gaagaatgga aagttgaggg aaggaaagga gagattgatt agtgattgat 540
taagtgattg attagtgatt gattagtgtt accatgttta ggcttgcccta aaataaaggc 600
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<210> 9133

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-B2

<400> 9133

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tggtaccaa gatattagcc ctcttgccgc ttcttgccct tttagtgage gcaacaaatg 120
cgttcattat tccacagtgc tcacttgctc ctagtgccag tattccacag ttcctccac 180
cagttacttc aatgggcttc gaacatccag ccgtgcaagc ctacaggcta caactagcgc 240

ttgcggcgag cgccttacaa caaccaattg cccaattgca acaacaatcc ttggcacatc 300
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 tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcacttagcc 540
 cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9134

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B4

<400> 9134

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 caatgtctac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
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 aaccttgtgt catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgtgt cttatttgca acaacaatta ccattcagcc agctagttgc tgccctacccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600
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<210> 9135

<211> 622

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B6

<400> 9135

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cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattata 180
gcttcaatat gtgaaaaccc agctcttcaa ccatataggg ttcaacaagc aatcgagca 240
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tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tctgatcaac 360
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caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc atttagccag 480
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aaccctgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
aaccgtgctt ctttcttgac ac 622

<210> 9136

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-B7

<400> 9136

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gcaggactat gagaagacta aggcaaactt tgataagaag gagagcacia gctcaaagaa 180
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gtgttaggtc cccaattagc ttactgtttt gctgccttta aatgttaagt tgtttcaaac 360
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<210> 9137
 <211> 541
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-B8

 <400> 9137

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gcgggggcgtc cggcaggaat ctcggcggtt ccggcttctg gtcacgtcgc ccggcttctt  180
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g                                                                 541
  
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<210> 9138
 <211> 583
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 9138

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atggtatgaa cagggagtgg agcatcaaga gccacgagct ctctctccag ctaaacagtg  180
tcgttcttcc acttggtcgc cttcggggtt ggctgtcgcg gcacagatca ctgctattta  240
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aggactccaa caatagccaa ttgagcagtg atgccattga agagagtgtg gcagaattgt 480
gcttagccct tgagcagatt aatggtggat atgagaacaa aaatactatt ggaggatgct 540
catctgggtca cagttctatt ttagcgctca cgagttcaca cct 583

<210> 9139

<211> 508

<212> DNA

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<400> 9139

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gctaagtga ctagccatgg cgaaccct 508

<210> 9140

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-C3

<400> 9140

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caacaatttc taccagcact gagccaacta gctgtggtga accctgtcgc ctacttgcaa 240

cagcagttgc ttgcatccaa cccacttget ctggcaaaca tagttgcata ccaacaacaa 300
 caacaattgc aacagtttct accagcgtc agtcaactag ccatggtgaa ccctgccgcc 360
 tacctacaac agcaacaact gatttcatct agccctctcg ctgtgggttaa tgcacctaca 420
 tacctgcaac aacagttgct gcaacagatt gtaccagctc tgactcagct agctgtggca 480
 aaccctgctg cctacttgca acagctgctt ccattcaacc aactgactgt gtcgaactct 540
 gctgcgtacc tacaacagcg acaacagtta cttaatccac tagcgggtggc taaccattg 600
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<210> 9141
 <211> 626
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 ctttctcccc cgtacctctc accagcgggtg tcttcgggtat gtngaaaacc caattcttca 180
 accctacagg atccaacagg caatcacagc tggcatctta cttttatcac ccttgttcct 240
 ccaacaatca tcagccctat tacatcagtt acctttggtg catttattgg cacaaaacat 300
 cagggcacaa caactacaac aacttgtgct agcaaaccct gctgcctact ctcagcaaca 360
 gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt tgcaacaaca 420
 acaactacca ttacagccagc tacctgctgc ctacccccag caatttcttc cattcaacca 480
 actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca 540
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<210> 9142
 <211> 619
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-D10

<400> 9142

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agtttgagga ctacttcata acgttgcgag cttggaggct tgatggccag tgcacagagc 180
tgtgtgtaaa agcacatgca ttgaagggtc aatcatgtgc tcaccacagg ctagtggttg 240
gtgatggctt tgtgactatg acaaagggtg aaagtattag aaatttcttt gagcatgctg 300
aagaggccga ggaagaggat gaagacgatg ccatggacag ggatggaaat gattttgatg 360
gtgatgatgc ccattcacag aagcatgcca agagccctga actggcaaga gaatttcttt 420
tggatgctgc tgctgtgata ttcaaagaac agattgagaa ggccttcagg gaaggtacag 480
cacagcaaaa tgcacgtagt gntttttgtg acccttgctt taaaactttt ggaacagcga 540
gttcatgtag catgcaaaga aataattacg ttggaaaaac agaacaaact tcttgaagaa 600
gaggagaaaag aaaagcgtg 619

<210> 9143

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D12

<400> 9143

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aaaggggata cagtgggtcga tgccacatgc ggccatgcgg gaatgacaat gacacgctcg 180
ctctgcttaa gatgggtggct gacaaaacag gccgtggatg tgtttatggg atggacattc 240
aagaatctgc gacagagaat acttcctctt ttctgaaaat ggccgtggat gatgaacatc 300
atgtgtgggt ttgaactatg aagcttttac ctaatttccc ctgaagaatg aaatagaaag 360
gagacactta tgaattctga tttgacatta ttatttacta ttcagatata gaggatactt 420
gtcatcttct cactgaatat ttgatatatc tgtacctgtc attgtatttg ttttatgtgg 480

cagcagggac tggtaaaact atttcctata tggcatagat agaatggaag agattgttcc 540

c 541

<210> 9144

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D3

<400> 9144

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cacaagctcc tatagcttcc tttcttcccc catacctctc accagcggtg tcttcagtat 180
gtngaaaacc caattcttca accctacagg atccaacagg caatcgcagc aggcatctta 240
cctttatcac ccttggttct ccaacaaccg tcagccctat tacagcagtt acctttgggtg 300
catttggttg cacaaaaacat caaggcacaa caactacaac aacttggtgct aggaaacctt 360
gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 420
gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta cccccagcaa 480
tttcttccat tcaaccaact ggcagcattg aactctgctg cttatttaca acagcaacag 540
ctaccaccat tcagccagct agctgatgtg agaccctgtt gccttcttga cacaacaaca 600
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<210> 9145

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D4

<400> 9145

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tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattcttacc 120
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttgggtgca 180

tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 240
 tgectactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 300
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 360
 atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 420
 actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 480
 gttgttgccg ttctaccagc acgctgcgcc taacgctggc accctcttac aactgcaaca 540
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<210> 9146
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-D5
 <400> 9146

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 tggettcaat tcaacagcag cttgcatctt tgaaacttaa agatgcacca gtcattggtg 180
 cctttaatec tgtgaaggga gagatagtcc tctcacaatt tagccttgac aactcctgga 240
 acagagctat gattgttaat ggacctcgct ctgtagaatc tctaaacgac aagtttgaag 300
 tattctatat cgactatggc aaccaagagg tggttcccta cagtcgtcta cgaccctggg 360
 acccatctgt ttctcttctt cctgctcttg ctgagttatg cagccttgc ttcataaaag 420
 tgcccagtct tgaggatgac tttggtcagg aagcagcaga gtatctaagt gaatgtttgc 480
 tcagtagctc aaagcaatat cgggcaatga tcgaagaacg tgatgcttct gggggaaaat 540
 caaagggaca aggaaccgga aatgttctca ttgttactct tgttgatgcg gagacagaaa 600
 gtagcataaa tgctaccatg cttg 624

<210> 9147
 <211> 632
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-D6

<400> 9147

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agctcctata gctgcccttc ttccccata ccttccatca atgaccgctt cagtttgtga 180
aaaccagcc cttcaaccct acaggctcca acaagcaatc gcaacaagca acttaccttt 240
atcacccctg ttctttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaac 300
catcagggca caacagctgc aacaactcgt gctaccagt atcagccaag tagctctggc 360
aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact 420
gaacctgtct gcttatttac aacaacaaca actactacca ttccagccagc tagctactgc 480
ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga acccctctgc 540
ttatttccag cagcaaatat tactaccatt tggccagcta gctacaacaa gcccacttc 600
ctttttgaaa caacaacaat tgcttccgtt ct 632

<210> 9148

<211> 78

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D7

<400> 9148

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aaaaagaaat acatttct 78

<210> 9149

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-D8

<400> 9149

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aagaataacc ttcagcaacc tgtttgtccg tcgggctggc ccaggcagca cggagctgac 120
cgtggaggga aggccatccg accagctggg caggagaaac ctactgaca gccccgtatt 180
tgacggccgt ggccctgacg ccagcctcgt ggctcgcgta cagggagtcg ctaccagat 240
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cgggaactcc gacgagcttg ccgtggaggt tctctgcccg gtgttccgcc cggcggcgtt 480
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ggtcggagtg tgggggtggag aggggagggg cggcgcagga catcgcgacg acggagccgc 600
cgaggcgtct gcagagcctg accgtccgcg cgggcgttgc cgtggact 648

<210> 9150

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-E10

<400> 9150

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ccagggcaact tgccaccagt catgccattg ggtaccatga acccatgcat gcagtactgc 180
atgatgcaac aggggcttgc cagcttgatg gcgtgtccgt cctgatgct gcagcaactg 240
ttggccttac cgcttcagac gatgccagt atgatgccac agatgatgac gcctaacatg 300
atgtcaccat tgatgatgcc gagcatgat tcaccaatgg tcttgccgag catgatgtcg 360
caaatgatga tgccacaatg tctctgcgac gccgtctcgc agattatgct gcaacagcag 420
ttaccattca tgttcaaccc aatggccatg acgattccac ccatgttctt acagcaaccc 480
tttgttggtg ctgcattcta gaatagaaat atttgtgttg tatcgaataa tgagttgaca 540
tgccatccgc gtgtgactca ttattaacaa taaaacaaag tccctctta ttatc 595

<210> 9151

<211> 642

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-E12

<400> 9151

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gctcctatag ctcccccttct tcccccgta cctctcaccia cgggtgtcttc ggtatgtgaa 180
aaccacaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
tcacccttgt tctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta 300
ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt 480
cttccattca accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
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<210> 9152
 <211> 637
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-E2

<400> 9152

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tgatgcggaa cacagacaga gccatgagca acattgagtc ttctccagaa ggattcaaca 180
tgctccgtcg catgtatgaa actgtccaag agccttttct gaatgcaaca acaatgggta 240
gcgaggggtga tcgaaattcg aatccatttt ctgctcttct aggaaatcag ggggtctaacc 300
aagcaagaga ctacagctgca aatggaacaa cttagagcttc agaccccaca tcaggggtctc 360
cagctccaaa tactaatcca cttccgaatc cttggggctc aaatgctggc tctgcccag 420

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gagcagcaag gtcctctcct gctagcaatg ttaggagtag tacagcaagt ggcctaggag 480
 gggtgggttc agcagatttg ggaagtagac atggtgccag tgggtggtgg ctctgatgct 540
 acctgttga ctcaagtttt gcaaaaccca actatgatgc agatgatgca gaacattatg 600
 tctaatectc agtccatgaa tcagctgctt aatatga 637

<210> 9153

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E3

<400> 9153

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 tgtgcaccta ccccatggag ctgatcaaga ccaggggtcac catcgagaag gacgtatacg 180
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 accagaacgt cctccacgct atctactgca tcctcaagaa ggagggcgcc ggcggcctgt 540
 accgaggtct cggccctagc tgcacaaagc tcacgcccgc cggcggcatc gccttcacgt 600
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<210> 9154

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E4

<400> 9154

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 tcttcaacca tatagcttca acaagcatcg cacagcaaca tacctttatg ccttgtgttc 240
 aacatcacca cctatttggg catattggta caaacatag ccacactgac actcgtgcta 300
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 gacctgtgtt ttgacacaa ctatacatta ccagtactct gctacttaca cacacttttc 420
 ctttaaccaa tgccgcctga acccgtgtta ttgcacacaa aactatgcct ttacgagcta 480
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<210> 9155
 <211> 76
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-E6

<400> 9155

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 agaaagtcac ttctag 76

<210> 9156
 <211> 597
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E7

<400> 9156

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 atgtgatgga tacacagatt gcttattctc tgatagaaga gcaggagcag gaaggaaaaa 240
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<210> 9157

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-E9

<400> 9157

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tcattgggtg tgccctcttt tagatttctt atgagttata gttcaataat aaagtttttt 540
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<210> 9158

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F1

<400> 9158

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tcatgtgcat aaactctcga taacctcggg tctcttcgtt tatgatcagc tgcaagggtt 180
 ttccaaaacc tcagccagat tcatcaatct gaggcacctg accatgtatt tgcctcttta 240
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 cgaaagtatg gtcttagatc caaagataag gattgggggt cctcagctgg atggttggat 540
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<210> 9159
 <211> 642
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-F10

 <400> 9159

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 ttggtggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct 180
 gcatactctc agcaacatca gtttcttcca ttcaaccaac tggctgcatt gaactctgct 240
 gcttatttgc aacaacaatt accattcagc cagctagtgt ctgcctaccc ccagcaattt 300
 cttccattca accaactagc agcattgaac tctgctgctt atttacagca gcaacaacta 360
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<210> 9160
 <211> 637

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-F11
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ggcgggtacaa cctgtgctgag gacatgaagt tcttcgccac cccgccggtg cacggctcgc 180
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<210> 9161
 <211> 630
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-F2

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tccttatgct ccttggctctt tctgcaagtg ttgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc catacctctc accagcggtg tcttcaatgt 180
gtgaaaaccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
cattatcacc ctgtgtcttc caacaaccgt cagccctatt acagcagtta cctttggctc 300
atttgggtggc aaaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420

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ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
 ttcttccatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540
 tactaccatt cagccagcta gctgatgtga gccctgctgc cttcttgaca caacaacagt 600
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<210> 9162

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F3

<400> 9162

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 atcggtgccc ttgctctcct ggcgctcgt gcgagcgccg cctccagtag aagcggcgcc 120
 tgtggctgcc agacaccacc gtttcatcta ccgcctccgt tctatatgcc gcctccgttc 180
 tatctgccgc cgcagcagca gccgcagcca tggcaatacc ccaactcaacc accgcagcta 240
 agcccgtgcc agcagttcgg atcctgcggc gtccgcagcg tcggcagccc gttcctgggc 300
 cagtgcgtcg agttcctgag gcaccagtgc agcccgcccg cgacgcccta cggctcgcca 360
 cagtgccagg cgctgcagca gcagtgcctgc caccagatca ggcaggtgga gccgctgcac 420
 cgggtaccagg cgacatacgg ntgtgggtccc tgcagtcctt tctgcagca gcagccgcag 480
 ggcgagctcg cggcgctgat ggcggcccag gtagcgcagc agctgacggc gatgtgcggc 540
 ctgcagctgc agcagccagg tcctgcctt tgcaacgcag ctgccggcgg tgtctactac 600
 tgaggaaaact atgtacctgt agtaataatg taat 634

<210> 9163

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-F4

<400> 9163

tccagntaca gcaaacggca gtgcgtagag aggatcgtcg aacagaacag catgaagatg 60

gtcatcggttc tcgtcgtgtg cctggctctg tcagctgcc a gcgcctctgc aatgcagatg 120
 ccctgccccct gcgcggggct gcagggcttg tacggcgctg gcgccggcct gacgacgatg 180
 atgggcgccg gcgggctgta cccctacgcg gactacctga ggcagccgca gtgcagcccg 240
 ctggcgggcg gcgcctacta cgccgggtgt gggcagccga gcgccatgtt ccagccgctc 300
 cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtccgt cgcgagcag 360
 ctgcagatga tgatgcagct tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca 420
 gctctgatgc agcagcagca gcagctgctg gcagcccagg gtctcaacc catggccatg 480
 atgatggcgc agaacatgcc ggccatgggt ggactctacc agtaccagct gccagctac 540
 cgcaccaacc cctgtggcgt ctccgctgcc attccgccct actactgatt catgatattt 600
 gggaaatctc ctctatccat ctctctc 627

<210> 9164

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-F5

<400> 9164

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 attttccctc cttatgctcc ttgctctttc tacatgtgtt gctaacgcga caattttccc 120
 tcaatgctca caagctccta tagcttcctt tcttccccca taccttccat caattatagc 180
 ttcagtatgt gaaaaccag ctcttcaacc atataggctt caacaagcaa tcgcagcaag 240
 caacatacct ttatgcctt tgttggttca acaatcacca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaggg cacaacagct gcagcaactc gtgctacctg tgatcaacca 360
 agtagctctg gcaaaccctt ctccctactc tcagcaacaa caatttcttc cattcaacca 420
 actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat ttagccagct 480
 agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
 ccccgctgct tatttgcagc agcaaatact actgccattt agcgagctag ctgcagcaag 600
 tcgtgcttcc ttcttgacac agcaacagtt gct 633

<210> 9165

<211> 653
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-F6

<400> 9165

caagcggcgt gcgtanagag acgtcgacag aacacatgaa gaggtcatcg ttctcgtcgt 60
gtgcctggct ctgtcagctg ccagcgcctc tgcaatgcag atgccctgcc cctgcgcggg 120
gctgcagggc ttgtacggcg ctggcgccgg cctgacgacg atgatgggcg ccggcgggct 180
gtacccttac gcggagtacc tgaggcagcc gcagtgcagc ccgctggcgg cggcgcccta 240
ctacgcggg tgtgggcagc cgagcgccat gttccagcgg ctccggcaac agtgctgcca 300
gcagcagatg aggatgatgg acgtgcagtc cgtcgcgcag cagctgcaga tgatgatgca 360
gcttgagcgt gccgctgccg ccagcagcag cctgtacgag ccagctctga tgcagcagca 420
gcagcagctg ctggcagccc agggctctcaa ccccatggcc atgatgatgg cgcagaacat 480
gccggccatg ggtggactct accagtacca gctgccagc taccgcacca acccctgtgg 540
cgtctccgct gccattccgc cctactactg attcatgata ttgggaaat ctctctatc 600
catctctctc tatctatata tgtaataatg cagtaagacg acacacatta tca 653

<210> 9166
<211> 622
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-F9

<400> 9166

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cagatcacia accagatctt gaggaagaga gggagaggat tttgggtgct ggtggatttg 120
ttgttgccgg acgggtcaat gcaagtctga acttatctag ggcaataggt gacatggaac 180
tgaagcaaaa tgacctctg ccagtggaga ggcagatcgt gacagctgaa cctgaattga 240
aaacagtcca gctctcggag gatgatgaat tcattgtttt agcttgatgat ggaatttggg 300
attgcatgtc aagtcaagaa gtagttgatt ttgtacataa acagctaaag accgaggata 360

agatatctag tgtgtgtgag aagttgctca accgctgtgt ggcacctaca tctggtggcg 420
aaggatgtga taacatgacg gttattgtgg ttcaattcaa gaaaccagct ttagctgttg 480
ctacttctag cgctgagcag tctgctacca ctgcagaagg gatgcggccc aaaatttgag 540
ttgcctttgt gaacagcgag gtcgatggcc cagattaccc cccgaagtag gcgttgagtg 600
gcacaccgtg ctgtggagct ct 622

<210> 9167

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G1

<400> 9167

ggagagcgcc gggggctggg aggaatggct gatgcacaag ggctcaacga tgtgctgtgt 60
gtggcagtgg atgcgatttg gttcttgagt gatagggatg agctgcttgc tattgtgggg 120
ttgatcaaaa ggttgtgtct gagggcgcaa aagatttacc cgtgctgcgc tccggacatc 180
attcctcgca tcgtgtgtat cagcatgtag ggggcggctg actagccttg ctgatgcagt 240
gagcttcatg ggccagaaat tgcataaacg acttcaagaa tccaagggtg atgaggtatt 300
gaaagcagaa gcaagtgcaa aggtgcacag gtttacagaa tgggctctaa agtgtatcgg 360
gctgcattca cgtgttcgag agaacagggg caaaggaaac cagcactg taattgaggt 420
tcagcttcag ttgtctgctt tcaagatatt tcttgatctt gctgataatg agcttaccgg 480
gaaggatttt acggaggctt ttgatgctgc atgcttcctt cttacactct tttcaaccac 540
cttcgaccat agatgggcat cangaatatc agcagctgca gtacaaggcc ttttagagtt 600
gttggtagag ggtggtgc 618

<210> 9168

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G12

<400> 9168

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 ctccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctcgcaagct 120
 cctatagctt cccctcttcc cccgtacctc tcaccagcgg tgtcttcggg atgtgaaaac 180
 ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
 cccttggttc tccaacaatc atcagcccta ttacatcagt tacctttggg gcatttattg 300
 gcacaaaaca tcagggcaca acaactacaa caacttgctg tagcaaacct tgctgcctac 360
 tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
 ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt 480
 ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
 ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600
 ccgttctacc agcacgctgc gcctaacgct ggc 633

<210> 9169
 <211> 576
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-K6-G3
 <400> 9169

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 cgcgcgatgc gcggctgacg ggaacccaac ccaccatcga atcgctcgc catgattcaa 120
 attcaccact gaatcgcatg cggcatgtcg tcgtcgtcgt cgctcgtcgc aggaagtaag 180
 aggtagcagc agctagcgac gacgtacgta cgtaccagac gtccctcgggg aggccgtatt 240
 tgatgagctc ctcgttctcg ttcttgctcg cgcccatgta gatgggtgtag tcgccggcgt 300
 ccggacgcgc cttgaagtag agcaccatcg ccgtcgtcgc tcagcagcag acagctctat 360
 gttattcttc aatcgggccg ggccgggccc gcctcttcta cctctagcta gctagctagc 420
 tagcctgcag agtagtatct ctctagcttc tagagcagag taccgaccga ccggccggct 480
 gccagataga gactccaccg gcggcggtta ctgtatatac tcgtgtatat tctctgtcgc 540
 cgcgcgcggc aaatacataa agcggcaaga gcaatt 576

<210> 9170

<211> 260
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-G4

<400> 9170

gtgtgcaggc atgcattttt acgggctatt gggaggatgt tggaacaatc aaatcattct 60
 ttgatgcaaa cttggccctc actgagcagc cttccaagtt tgatttttat gatccaaaaa 120
 cacctttctt cactgcaccc cgatgcttgc ctccgacgca attggacaag tgcaagatga 180
 aagatgcatt tatctcagat ggttgcttac tgagagaatg caacatcgag cattctgtga 240
 ttggagtctg ctcacgtgtc 260

<210> 9171
 <211> 582
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-G5

<400> 9171

cccgatgtcg tccgcttgca cgagttgctg ccagtaaaac gaanactact ggtgcttgag 60
 tttgtcaacg gcggcgagct cttcgacaag atcgctatca aggggaaact gtccgaacac 120
 gagggcagga ggctcttcca gcagctaatac gacggcgctca gctattgcca tgacagaggt 180
 gtctaccacc gagacctcaa gccagagaat gtccttggtg atcggaaggg caccatcaag 240
 atctctgact tcggcctcag cgctctacct caacatctcg ggagtgcagg acttctgcac 300
 acaacatgtg gcagccccaa ctacatagct cctgagggtc tgcaaaacag aggctatgac 360
 ggctccttgt cagatctctg gtcgtgtggg ggtgacctc tacgtgatgc ttgttggtg 420
 ccttcccttc gacgaccagg aacctcgctg ttctttatca gaagattttc aaggagact 480
 gtcagatccc caagtggctt tcgctgccc cgcaggacct tctcaanagg atcctccaac 540
 cgaatccgat gaagaggatc aacgtcgcg gggatcaggg ag 582

<210> 9172
 <211> 637
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-G6

<400> 9172

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gattttttcc ctcttgccc tccttgctct ttcagcaagc gctgctacct ctactattat 120
tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgggatttc aacacccaac 180
tatacaatcc tacatgctac atgaggccat cgtagcaagc atcttacggt cattagcatt 240
aaccttccaa cagccatatt ccctattgca acaaccatcc ttagtgcac tgtatctcca 300
aagaatcgcg acacaacaac tacaacaaca gttgctacca acaatcaatc aagtagttgc 360
agcgaacctt gctgcttatt tccagcaaca acaatttctt ccattcaatc aactagctgg 420
ggtgaacctt gctgtctact tgcaggcaca acaactacta ccatttaacc aactgtcgg 480
gagccctgat gccttcttac tgcaacaaca gcttctgcc ttccatctgc aagctgtgga 540
aaacattgct tctttcttgc gacaacaaca attgttgcca ttttaccac aggttgtggg 600
aaacattaat gccttcttgc aacagcaaca attgctg 637

<210> 9173

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G7

<400> 9173

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aagatttttg ccctccttgc cctccttgct ctttcagcaa gcgttgctac cgcgactatt 120
attccacaat gtcacaaca atacctctct ccggtgacag ccgcgagatt tgaatacca 180
actatacaat cctacaggct acaagaggcc atcgagcaa gcactttaag gtcgtagca 240
ttgaccgtcc aacaaccata tgccctattg caacaaccat ccttaatgaa tctatatctc 300
caaagaatcg cagcacaaca actacaaca cagttgcttc caacaatcaa tcaagtagtt 360
gcagcgaacc ttgctgctta cctccagcaa caacaatttc ttccattcaa tcaactagct 420
ggggtgaacc ctgctgctta cttgcaggca caacagctac taccattcaa ccaacttgct 480

aggagccctg ctgccttctt actgcagcaa cagttgcttc cattccatct acaagttgtg 540
gcaaacattg ctgccttctt gcaacaacaa caacaattgc tgccatttta cccaca 596

<210> 9174

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-112-Q1-K6-G9

<400> 9174

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tctttctgca tgtgttgcta acgcgacaat tttccctcaa tgctcacáag ctccatagc 120
ttcccttctt ccccatacc ttccatcaat gatagcttca gtatgtngaa aaccagctc 180
ttcagcccta taggctccaa caagcaatcg cagcaagcaa cataccttta tcacccttgt 240
tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc atcagggcac 300
agcagctgca gcaactcgtg ctacctgtga tcaaccaagt agctctggca aacctttctc 360
cctactctca gcaacaacaa tttcttccat tcaaccaact gtctacactg aacctgtctg 420
cttatttgca gcaacaacta ttaccattca gccagctagc tactgcctac tctcagcaac 480
aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat ttgcagcagc 540
aaatactact accatttagc cagctagctg cagcaaaccg tgcttccttc ttgacacagc 600
aacagttgct gcctttctac cagcagtttg cggctaaccc cgc 643

<210> 9175

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H1

<400> 9175

cagttacctt tgggtgcattt attggcacia aaatcagggc acaacaacta caacaacttg 60
tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag 120
ctgcattgaa ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg 180
ctgcctaccc ccagcaattt ctccattca accaactggc agcattgaac tctcctgctt 240

atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct 300
 tcttgataca accacagttg ttgccgttct accagcacgc tgcgcctaac gctggcaccc 360
 tcttacaact gcaacaattg ctgccattca accaacttgc ttgacaaaac ccagcagcgt 420
 tctaccaaca acccatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca 480
 ataataaagt tttttgtctg atgtttgtgg cttcccagaa ataagaaagt acatttctag 540
 attcttatgt gcttctagtc tccaaatgtg gttgatagtt attttgctct aagatcgaca 600
 gtaatgaagt ataaatcatc 620

<210> 9176
 <211> 617
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-K6-H12
 <400> 9176

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 tagacagcaa cgacagggaa cgtgttgttg aggctagaga tgagctccac aggatgctga 180
 atgaggatga gctgcgtgac gctgtgctgc ttgtatttgc aaacaaacaa gatcttccca 240
 atgctatgaa tgctgctgaa attactgaca agcttgggtct gcattccctg cgacagcggc 300
 actggtacat ccagagcact tgtgctacat ctggtgaagg gttgtatgag gggcttgact 360
 ggctttccag caacatctcc agcaagtctt gaagcttttc ggcagggctc ctagcgagag 420
 gatgtctgaa caacttatgg ctgctttttt ttacatatt attactaaga cacaagctac 480
 agcagatata gtacttgtga aaaaaagaaa cttctgagct cttttgaggg attgatacta 540
 gattggattg tgtttttgtt tttgggtcga taccatcgcc tgttcggttc cacaaaaaaa 600
 aaaaaaagg cggccgc 617

<210> 9177
 <211> 633
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-H4

<400> 9177

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catcgtcccc tctccatcc ccggcgcggc ggccgagca gccggcctgc aggctgtttg 120
aagagctcgc catttaatct caatggaagc caagtttttc cgtttcctga agctcgttgg 180
ggtcggcttc aaagcgaggt cagagagcca aggccgtgag ttgttcctta aactgggctt 240
cagccatgag gtgcagttca ccgctcctcc agctgtccgt gtcttctgct tcaaaccxaa 300
cataatctgc tgcaccggca tcgataagga cagggtgcac cagttcgccg gcgccatccg 360
gagctctaag gctccagagg tgtacaaggg gaaggggatc ctgtacattg acgaggttat 420
caagctgaag cccggaaaga agcgaacaaa taagtgcga tccgaaggcg ttacaacttt 480
gtctctgtct tttaacccca tgcttcgcat ttgtagtcat ctggatctgg ggtctgctgt 540
gttgtgttgt gtacttgctg tgtgctacac agatcaccat tatcttacct ttacctcagc 600
tgcatgtagg accatgagtg ggaataagtt acc 633

<210> 9178

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H5

<400> 9178

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ttatcatctc aaaggagggg attgatttca tggccgtgat tccccctctc ccagtcaaag 120
ccatccaagc cgcaattact tcagggacag ggtgttcact ggggctagaa ggattctgtt 180
tttattgcac gacacatgac aacatatcca agtagtcctt gattgattta gcagcagggg 240
gtaagcgtct tgctaaaagt ggctccacag gtgaacttag gtgagtgttt ggttaccatg 300
tatttccaga tcaatgacat actaaaattg ttctttgcac atataaatac aaaaaaatag 360
gtataggaaa agaaatgaca tgcaacccaa taaatctttt tgtatttatt tataagaaat 420
gacagaaaaa atctccctca ttaaaataag tgaagaatc taacaaccac taattatctt 480
ccaaaaaatc aattattatt tttgcacaa attgtaacaa tactgaaacc atattccttt 540

catctcattt tatctgttta acacaatgat ttttaataagt tcaatatcac actgtaaaga 600
gtgaaccaat gatttgtctt agactacagg cgtagctctt 640

<210> 9179
<211> 645
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-112-Q1-K6-H6

<400> 9179

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gcttccttat 60
gctccttggt ctttctgcaa gtgctgctac cgcaaccatt ttcccacaat gtcacaagc 120
tcctatagct tcctttcttc ccccatacct ctaccagcg gtgtcttcag tatgtgagaa 180
acccaattct tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat 240
cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtgcatttgt 300
tggcacaaaa catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactggc tgcattgaac tctgctgctt 420
atttgcaaca acaactacca ttcagtcagc tagctgctgc ctacccccag caatttcttc 480
cattcaacca actggcagca ttgaactctg ctgcttattt acaacagcaa cagctaccac 540
cattcagcca gctagctgat gtgagccctg ttgccttctt gacacaacaa cagttgttgc 600
cgttctacct gcacgctgcg cctaacgctg gcaccctctt acaac 645

<210> 9180
<211> 615
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-K6-H8

<400> 9180

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gggcttcgaa caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt 120
cttagaacia ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac 180

catcgcaacg cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcccta 240
 cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca 300
 acaacaacaa cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaaccc 360
 tatcgccctac ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc 420
 acctacatac ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc 480
 tcttactcag ctagctgtgg caaacctgc tgctacttg caacaactac ttccattcaa 540
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 actagcgggtg gctaa 615

<210> 9181
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-N6-B11
 <400> 9181

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 acacagtgaac ctgctgatat tggcttaaca tgcaatctga gctccgcgat gctgggttgca 180
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 ttggggggcga gtcacatgc attgatgtgt gcctgtctta atgggtcaga cgagatcgat 360
 tgcgattacc tgcactaccc gtcattgtaca gacgctcgta cgccatgcag cgtctcgccc 420
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<210> 9182
 <211> 614
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-112-Q1-N6-B4
 <400> 9182

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gtggtacaat gttgtgaaac cccaattgag ggaaccctac agtgatccaa caggcgcagg 240
gcaacaggca tcttaccatt atcacccctag aaggccaac agccgacatc cctattacag 300
cagaaacctt tgggtccattg gtgggcacaa taaatcaggg cacaacaagc tcatcaactg 360
gtgctagcaa aaaatgctgg agtgactctg cagcaacata agttgcttac atgtcaacca 420
actggctgca ttgaactctg ctgcttattt gccacaacaa ttaccattca aacatctagt 480
tgetgectac ctccagcaag ttcttcatt caaccaacta gcagcattga actctgctgc 540
ttatttacag cagaacgact actaccattc atccagctag ctgatgtgag cctgctgac 600
cacgtgacac aaca 614

<210> 9183

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-B6

<400> 9183

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attttccctc aatgttcaca agctcctata gcttcccttc ttccccata ccttccatca 180
attatagctt caatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc 240
gcagcaagca acataccttt atcgcccttg ttgtttcaac aatcgccagc cctatctttg 300
gtgcagtcac tggtaaaac catcaggga caacagctgc agcaactcgt gctacctctg 360
atcaaccaag tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca 420
ttcaaccaac tgtctacact gaaccttgct gcttatttgc agcaacaact attaccattt 480
agccagctag ctactgcta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
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gca 603

<210> 9184

<211> 544
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-112-Q1-N6-B7

<400> 9184

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tgggcagaag aagcaggact atgtagaaga ctaaggcaaa ctttgataag aaggagagca 180
caagctcaaa gaaggctaag actgaggatg aggatggctc gaagtcagag gttgatgacg 240
aggatggcag cagtgcgag gaaaacgatg acgatgagta aacagtctcc aaggtcacga 300
ggtagcaaatt cgagtgttag gtccccaatt agcttactgt ttgctgcct ttaaattgta 360
agttgtttca aacaggtgtt tatgaagggg atctattagt ttcgcgatgt cgtagttta 420
gtgcattagc aaagaaaaag ccgaatgctg ctagctgttc tgttgctttt cttttgctaa 480
ccacttgtgt cacaactntc tgtacctgct tcattgacta atctagtgac tagtcagtta 540
ttgg 544
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<210> 9185
 <211> 482
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-B8

<400> 9185

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gaagcattgc gcgcgcgtcc ggcctgaatc tgggggggtc cggcttctgg tcatagtcac 180
cggctgggtc ctctgtgtcc tgaccttga ggacttgtct cacagcccg gtccatcctg 240
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aagctaacct ctccccaga caccgacttg atactctgcc accgcacgct actgcgtgga 360
gaccctaaag agggcgatga ctgaagacag atccaccact cactgggtta caagggcgag 420
gaggaagaga gactgatgct gagcgagccg cagccacca gggctatgac ggagctcacc 480
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cc

482

<210> 9186

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-D6

<400> 9186

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acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg cttcagtttg 180
tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaaca gcaacttacc 240
tttatcacc ctgttctttc aacaatcgcc agccctatct ttgggtgcagt cattggtaca 300
aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc aagtagctct 360
ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc aactgtctac 420
actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc agctagctac 480
tgctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac tgaaccctc 540
tgcttatttc cagcagcaaa tactactacc atttggccag ctagctacaa caagccc 597

<210> 9187

<211> 113

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-D7

<400> 9187

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<210> 9188

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-E11

<400> 9188

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cgaaaacgac ataactctgg cccgcacgca tcttgactgg ttacctagaa gcgaaagaga 180
gctctcagca gaagctaccg ttttagggcaa gtcaccacat ctaacaatca ttaccaaccc 240
ttgtactata tacaagcaga ttggtacaga gccaaaatat gctaattaca ggaggataaa 300
ttagagcgat gaggaagga agcctggcat tatcacattg acacgagaca ggctgagaac 360
tacatctttg ctcaactagt gagaaaggag caaagataaa aagtgtata cccagacaaa 420
acgaacgcct tggaagagaa atcagcttct tgatagctta cc 462

<210> 9189

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G10

<400> 9189

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cggcaatata ttccattcaa ccaactggca gcattgaact ctcatgctta tgtacaacaa 240
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caacataagt tgccgttcta cctgcacact gcgcctaacg ttggcaccct cttacaactg 360
caacaattgc tgccattcga ccaacttgat ttgacaaacc cagcagagtt ctaccaacaa 420
cccatcattg gtggtgcctt cttttagatt gcttatgagt tatagttcaa taataaagtt 480
ttttttgctg 490

<210> 9190

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G3

<400> 9190

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ggagtcaatt gacccattgg atctaaagcg gagaagagaa ctactttgca ggctagctag 180
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cggccagtac accatactca cgggtggactg aaaaaaata gaacgaggta gcttcatgca 360
aatacacgag ctctatgag gaactgtctg aatacgggac cggacgctgg gccggtacgc 420
tgtctacctc ctagctagtc tagttaggtg gaccagcaca gagaatacat gtagctgcta 480
agcagaggag aaaccgatca ggcgaggcca tatagaggat ggatgggtgg cggataagcg 540
taacgcgcgc gtattgtttg gccg 564

<210> 9191

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G4

<400> 9191

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aaacaccttt cttactgct cgcggtgct tgctgcatc gctgttgggc aagtgtaca 180
ttaacgaggc atctatctcc aatggttgct taccgagaga aggcctcggt tagcattctg 240
cgactggagc ctgctcactt gccaacctg gatgtgaact cgaatacttc aagatgaccg 300
gagcgccac ccttgaaact gaccaagaag cttcaaagct actgctattc tgggtgcagg 360
tccctagtgt gtgatacgca aggaacacta ccataacgaa ctgtcttatt gacatgacag 420
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<210> 9192

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-112-Q1-N6-G5

<400> 9192

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tcctaacacg agggctagga ggctctggca ggggctaata caccgcctca gctcttgcca 180
tgacagaggt gtctaccacc cagacctcag ccagagaagc gcttggtcat cggaagggca 240
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gggctgcctt cccttc 436

<210> 9193

<211> 644

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B7

<400> 9193

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gcttcttttc ttccccata cctctcacca ggggtgtctt cagtatgtga aaacccaatt 180
cttcaaccct acaggatcca acaggcaatc gcagcaggca tcttaccttt atcacccttg 240
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cagctagctg atgtgagccc tgttgcttct ttgacacaa aacaggtgtt gccgttctac 600
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<210> 9194
<211> 75
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B9

<400> 9194

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aaaaaaaaa aaaaaa 75

<210> 9195
<211> 552
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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tactgagac agtccttgct gctgctaca aggtctcaa cgagcaccat gtcctcctgg 300
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ctgctgnngn ctntctctnc ggnggacaga gcgaggagga ggccaccctg aatctcaatg 480
ccatgaacaa gctnagnacc aagaagccat gggccctgtn cttctncttc ggccgngccc 540
ttcaggcgag ca 552

<210> 9196
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E12

<400> 9196

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 atgctcactt gctcctagtg ccattattcc acagttcctc cctccagtta cttcaatggg 180
 cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt 240
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 ggtgaaccct gccgcctacc tacaacagca acaactgatt tcacttagcc ctctcgtgtg 540
 ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 600
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<210> 9197

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F10

<400> 9197

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 accgggtgtga cttcttcac caaggcttga gctatagacc aaaccgccct gccaatctgc 180
 ggccggcgca ccaccactag gacttggttt atctcatcga acgttactgg attcgatttc 240
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 acacattcct catgcaccag acaccacaga tgaaaatgca cgcgcatcca tagaccagct 360
 taaaatatct gatcacatga cagatataaa ggatccagag caccatact cactggaaca 420
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<210> 9198

<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F12

<400> 9198

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ttcttaaaac atcattactg cacaagcatg ttgaagatcc ttgtgctgtc tgcgctttat 240
atggtatctt cattgacctg agcaaagcat ccaagggaca aagagaagct gttgcaccta 300
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actgtcacia ttgttagatg gagtctagga agttcaagta tacttcattt ttacacaata 600
tcaatgctag ttcactccga actgcgaaga tgatgtg 637

<210> 9199
<211> 621
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F4

<400> 9199

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 gggtgataaa ccagttattg atctgcttca gttgtagccc tgtttcctgc accagtcgag 600
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<210> 9200

<211> 530

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-H5

<400> 9200

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 ttatgctact tccagctatg ccttttgtct ttttttagaa aaacttccag ttatgactta 180
 attgttaata ttgacaatac cagtgtagga atactgaaat tagtcttgaa agtaagacat 240
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 gatgctttgc cgctccatgt catctctagc ggacgctctg ctgtcgtgct gctggatgtt 360
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<210> 9201

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A3

<400> 9201

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 aggagatgca aacataattc aattagattc ttcgaccaat gtacatgaca gtgggtattat 180
 acatgtagat caatataatc taagaacaaa ggccttttca acaacccttg actataacac 240

aacaaatggt catagcgcta gagaacaagc atgcacagga tgatgttgag gctgtatttg 300
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<210> 9202
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-A4
 <400> 9202

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 agaacgttgt acacataaag ttactggctc tgctaataga caacgtncgt atctgccctc 360
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<210> 9203
 <211> 539
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-N6-B10
 <400> 9203

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 gagacgggga tgagctagat caacgccgtg cgaattgaac gactatctgc attctgatta 120
 cagtagacaa tacagcgtga tgctgaagct actaaaggac aagctgatcg agatggacca 180
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ctgagtactg cagagcctcg ggctgtggag tctactatg ctctccatg ccaagtattg 420
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 atatccgtct acagcaccgg gtatatgcac gatcattacg ccagcgaaag ataagtcga 539

<210> 9204

<211> 232

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B5

<400> 9204

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 ttgatccgac aaaccagtt gtcttatacc aactacacat cattggagga gccatctccg 120
 acattgctta ttagttggaa taaagtagtg aagtttgcg aatgatgtat gtcgactggc 180
 tagaaacagg aggagacatt agcaggttgt ggggttagcc acccgacgc gt 232

<210> 9205

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B8

<400> 9205

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 tattatgcct gcttatgctc cttgatctgt ctgcaggagc tcaactcgggg accatgtcaa 120
 cacgaagtgc gtcgcaagc gtgcctataa gctgtccgct agcttgccac gaggacctcc 180
 tgacgcatag gcgcactcgc gctatgtaga acaccacat ctgcaaccct acacagatac 240
 agcagcgcgt ctacaccag cttgctacct gtatgacct agttgctgct gcttcattaa 300
 gcctattaca tcagtacct taggtgcatg aatggacaca atacatgagg gcacaccaac 360
 tacaacaact ctgagctagc aaacctggct gcctactctc aacaccaaca gcatcttaca 420
 ttcaaccaac tatggtcatt gctactctgc tctcttatgt gcaacaacag gctctaccat 480
 tcagccagct acctgctgcc taccctgagc aattgctccc attcaaccaa ctagcagcct 540
 ggaactctac tgctgattga cagcagcaac aactactacc attcaggcag ctagctggtg 600

tgagccctgc taccttcctg acac

624

<210> 9206

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C10

<400> 9206

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ctaattacaa tatgcatggt ctgttgacgt ttgcatgcac atatcgacag tgtgagaata 120

acttggatat gatgtgcttg atgtgatacc tgatgtcgcg gtgatcatca gctactttat 180

caacttgatc tcaaccctag agcactcacc ctgtgtgggt acacgcccac ctgcctagct 240

ctaactgatg attagatgcg tggagacgca gacaactcac cagctatacc gattgtgttc 300

tcacatgatg cataagcctg ataatacaca atgtgatttc gaccaaactt ccttatacc 359

<210> 9207

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C8

<400> 9207

tcgtagcaac atagaaagca caatagtgt ccaacaatgg cagccaaaat attttgcctc 60

cttatgtctc ttggtctttc tgcaagtgt gctacggcga ccattttccc gcaatgtctg 120

caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgtc ttcggtatgt 180

gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg catcttacct 240

ttatcacctt tgttctctca acaatcatca gccctattac atcagttacc tttggtgcat 300

ttattggcac aaaacatcag ggacacaaca ctacaacaac ttgctttgac aaaccagca 360

gcctcctacc aacaacacat cattggtggt gccctctttt agattgctta ttagttgtaa 420

ttcaataata aagttttttg gatgatgtat gtggccaacc agaaataaga agttacattt 480

ccagattcta atgtgtt 497

<210> 9208

<211> 522
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D10

<400> 9208

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 tcttcggcag cctgggctga acacacggac tgaccacctg actcacaacg actttaaatc 180
 atacacacga gatggccgac atccaacaca tgacgaacca agagaccaat gttgactagg 240
 gttaacactc acggacctta tcaagataac atgccctgcc gaaccccacc gatgacatcc 300
 tccagttgga gctggacgtg ccgtacatga cggcacgggtt ggcaccgtcg tagcctaggc 360
 caccacgacc gtatccgtcg gcgtcccatc gtagccgtcg acgccgccgt taccgacgtg 420
 gccgtcaccg tgatggccac cgccggttacc gccgtgtcca cggctaccat ggtggccgcc 480
 gccgctaccg tgttcacggc cgccgctaca ctgggtcccaa cc 522

<210> 9209
 <211> 489
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D12

<400> 9209

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 ttaaccattc gtgatggttg ccatatatgg agattctatg ggttgggtga attctcgggg 120
 atatagcact atagttatct cacatgggta tggactactt cgatgacttg caagcgagcc 180
 gctaaaagct tgcccatgca ctctaactct caagattctc attctggcta cgctgacacc 240
 aatcatgtg tgtggactgt cagaccagca tgcctaggag aggactggat cacctagtgc 300
 attactttct ttgcgacctg atagaggaga ttacttatga catcatgttc tactgtgttc 360
 actgaatgca tgcggtttat agttttcttc cggctagatg ttatcgagca tgtgacgacc 420
 tatcaggaac gattgctgct gataccgag cacatggcta gtatactcta cccggagaaa 480
 aactctgaa 489

<210> 9210
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D5

<400> 9210

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 acgagggcac caccaatgat tggttgtcgg tagaatgctg tcgtgttagc aaaagcagtg 180
 tggttgatat ggaaaacaat atgttgtaaa cgctatagga tgcaacaggc aggcgcagct 240
 ggcattgttaa acggatcaat cgtggttggtg caaagaaatc agcacgtatt acaccagcta 300
 cctgtgtggc aggtattggc acataacatc agggctcaac aactacaaca actggtgcta 360
 gcaaaccctg ctgactactc tcagcaaca cagtttctta cattcaacca actagctgca 420
 ttgaactct 429

<210> 9211
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E11

<400> 9211

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 tgcttcacag aattacacag gagaggaaga cttacacca aaccaggctg cactagtgtg 120
 ccgaaacagc tgcatgcaca ccattcatca catctgttga cactctcaac ttgtgcaa 180
 atctaacatt taccatatac ttgagcaggt gataagtcaa attgcactga tccaacgca 240
 cgaaaaaatc tactctgacc ctaattgata gtcattatgc aggatctaca atgtgaactg 300
 tatttgcacc tgctgtgcct t 321

<210> 9212
 <211> 604
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-113-Q1-N6-E2

<400> 9212

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cacgccaata ccatnagaga agtctcatcc ataggcataa taatacacat gtcattccaat 120
actaataaga gacagtgtct tatacatagt cataataaaa gtctcaagta tcataacaca 180
ataacatgga agctcacgat cgccgatcac catcgggtta cagtgcagag tgatgggtcga 240
tacctccact ggccaagagg gcttagacaa agtctaaccg gtcttctcgt tcatgcgtcg 300
gtaaggtagc tggaggggtc taatatactt gtactaatga tattcgctga gcatacggtc 360
agcttcatca aggaccagat atgatacttg gtgcaggctc actctattca tttccaaaat 420
gtcatttaat ctcccaggag ttgcgacaag aatgtcagca ccacgctcca gctctcttag 480
ctgagggcct tttggagcac ctccatataa gcactttgag tttttcaagc gcagaacatc 540
accagtcata ccaacacgag gagggcgtct tcgatggctt taataagctc ggaactcggc 600
cacg 604

<210> 9213

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-E6

<400> 9213

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tacgccccga ggatcgccag ctctagctga tagggcgcg cggcagaca ctccacgcac 180
actggtgcac agaggctctg cgatcccttg agtttgctgg caagctgacc gagcttgctg 240
tcctgggcag actgacgctc acagtcgagc tcgtgggggt ggacctgcta aggccgctcg 300
agctactgac cgtcccactc tgggcgcgcg aagggggact ggcgctggtg acaggggccg 360
actagtcgtc cctgctgcac cggcctgacc gctaccggcg cccacaccgg gacgcacagg 420
aactcgaccg ggctctactg catcagcgcg cacagcgcg agcgcagcga tcagctcgcc 480

agcacgagca ccgccgncaa cgtgaccaga agagcgagga agcactacaa ctcctacgcg 540
ccaga 545

<210> 9214
<211> 526
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-F11

<400> 9214

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catagtgacc atatcaatac cattgcatcg catatgtaac atgcactatg ccacctaacc 120
gatgggttgc ctgtaggata ctggcagcat catcagatag aattcaaccg attggatttg 180
tcgatcgtag ttgcatacaa acaacaacaa caggtgagac accgtttacc agatgatgaa 240
actactagcc atgggtgaacg ctctcaccta actacaacac aaacagctgg tttaatgtaa 300
ccagctcgct ataggcagtg cacctacata cctgaaatag ctgatgttga accaacacaa 360
tgctgcagca aatcgtgccg gctctcactc agctagctgt ggctaaccgt gctttctact 420
tacaacaact acttacataa aacaactgac tgtgtcgaac tctgctatat acctacaaca 480
gggtcaacag ctactcaatg cactaaacgg gggtaaccca ttgggc 526

<210> 9215
<211> 545
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-F12

<400> 9215

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gggggggatta gaatgtgatt ttcatgcatt agaagcatat aaggcggggt caggacgagt 180
ttattaaaac ataattactg cacaagcatg tcgaagatcc ttgtgctgaa tgcactttat 240
atgggtatatt cattgacctg agcaaagcat ggcaaaggac aaagagaagc tgcgtacctg 300
cttctgtaga ggattgctgt gagcatatac taccacaaca gcaaattctt tcaggaggga 360

cagatgaatg atgcatgtga cgtactagac gtaatctgca gagtgtccgc attaccaata 420
cacttgctcg actgtctacc atggagtatc ccaccgagaa aaactctatg gcatcatagg 480
attgtgcaaa tacttattag cataacaaat aaccccaggg ggatggacgc atctgaaccg 540
atgaa 545

<210> 9216
<211> 480
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F5
<400> 9216

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acatacataa tccaaaaaac cttattattg aatcacaact aacaagcaat ctaaaagagg 120
gcaccacca tgatttctca catggcagga gggcgcttct tcttccaaaa tacgttgcac 180
aaatggtagc ttcagtatgt gaaaaccag gtcttcaacc atatacgctt actcatgcaa 240
tcacagcaag caccatacct gtatcaacct tgatgactca acagtcgcca gtcctatctt 300
tggtgcagtc attggtacaa accatcatgg cacaacagct gcagcaactc gtgctacctc 360
tgatcaacca agtagctctg gcaaaccctt ctcctactc tcagcaacaa caatttcttc 420
cattcaacca actgactaca ctgaaccctg ctgctcattt ggagcaacaa ctataaccat 480

<210> 9217
<211> 489
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F6
<400> 9217

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tatagtacca cttcaattac taccacogac tggacagacg tctgaccta aacctgcaga 180
atgccctgga acgaatccaa ccaggagagc acgtgcatat tatacactat atgacgcacg 240
aggcgactgc acaaagaagc tacaagggcc acgatccgcc acttattgcg accatgatta 300

aacggácatg taaccaatt gcagacaccc tgtcaccatg gagagctcag aaggataggc 360
ggcacacata caagcccaga tgagcaccgt cegtggatgg gcagaaatgt actcgctact 420
aaagagccta ctgaacacag ccacgaaaag caacacctgc aaatgcatga ccatcaaat 480
ttacatcca 489

<210> 9218
<211> 269
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-F9
<400> 9218

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tcgctgttta cagcgtgaaa acgtgataaa actcataatg tcacacaaca tactagcctt 120
gcacatcatg cgcctagcgt gaggtggcta attagcgaac agggcccat caatcgccct 180
tccctcactg gcgctttcta aatggcaa atgtacgcgc atgtagatta atatttagcg 240
caacgcgcgt ggagagtacg ctcacgtat 269

<210> 9219
<211> 544
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-N6-G4
<400> 9219

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caacaaatgc gttcattatt ccacaatgct cacttgctgg gggggccatt attccacaga 180
tcctccctcc agttacttca atgggcttcg aacaccacgc tgtgcaagcc tacaggctac 240
aacaagcgt tgcggcgagc gtcttacaac aaccaattgc ccaattaca caacaatcct 300
tggcacatct aaccatacaa accatcgcaa cgcaacagca acaacaattt ctaccagcac 360
tgagccaact agctgtggtg aaccctgtcg cctacttgca acagcagttg cttgcatcca 420
accacttgc tctggcaaac atagttggat accaacaaca acaacaattg caacagtttc 480

taccagcgct cagtcaacta gccaatggga accctgccgc ctacctaaa cagcaacaac 540

tgat 544

<210> 9220

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G5

<400> 9220

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tggacacaac ggcatgtgct gtagcaccag gtgctgcacc tgatcatgct gaggagccgg 420

tgcactggta ccagacgaca tacggagtgt ggctagcctc cttgctgcag cagcaggctg 480

aacgggagct tgaggaactg atcgagtcg acgtagaaca ggatgtcacc gcta 534

<210> 9221

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G7

<400> 9221

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aacaagctgc tatagctaga atgcttgctg ggtacgtcta accaaggggg ttgaatggca 180

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accaacatga gctgggtact agcatcatga tcactacact ggatgtactt atggtgcatg 300

tattggctca taacattaag ccacagcatt tactgcagct agtgctagca aacctagatg 360

cctactctga gcagcagcag atacttgcac gcaaccaact agctgcattg aactatgcta 420
gtcatttgca acagcaacaa ctaccatgca ggcagctatc tgctgcctac ccagagcagt 480
atctggcatg caaccaactg acagcataga actctcctgc ttatgtacag cagcaacaac 540
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<210> 9222

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H1

<400> 9222

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attattgcac agtgctcagt ctctccaaga cagcgttata tcacagagaa ctggacgagt 180
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agtcaactag ccatggcgaa ccctgccgcc tacctacaac aggatcaact gctactatct 540
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<210> 9223

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H10

<400> 9223

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cggaagctta catcaaagcc aaatgaaagc ctctatgagc agaagcccga ggaacacatc 240
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 agcaaggaat catgacagat atcctcaaaa gcgaaatcaa ttccttcttc tcaggctctt 540
 ggtgatcaag ccaactttga aaaggacgct caagtctctc tccaaaagtt ctatgggtcc 600
 tctgcgatat caagtgctg 619

<210> 9224

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-B10

<400> 9224

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 ggtagaacgc tgctgggttt gtcaaagcaa gttgggtgaa tggcagcaat tgttgagtt 180
 gttagagggt gccagcgta ggcgcagcgt gctgggtgaa cggcaacaac tgtgggtggt 240
 tcaagaaggt agccgggctc acaccagcta gctgggtgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcca gttgggtgaa tgggaagaaat tgctgggggt 360
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 ct 482

<210> 9225

<211> 552

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-Q1-N6-B6

<400> 9225

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cggacgacga tgatagctag atgaccagat cagagttggt gacgcaggta aacaccgatc 120
gcagcgacga gcctgctggt cgagcgtcca tagaacccca cgatgctgct gccgatcggc 180
gcggtgatgc agaaacgtgt cccgtcctcg atcccccatg gccccaggt tctgctgctg 240
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ccccatcgcc cagcagtgcg cctctggcca cctctatcag tatacgtgaa ctcgatggag 420
tcgacggcaa aaccagttcg aacggagagg ctgtgcagac gctgtgggtg ctccgctcgc 480
gtgatgtcct gcgccgacct tccacctnca ccccatacct caatcttggt gacagagacg 540
gagtcctgct tg 552

<210> 9226
<211> 506
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-082-Q1-N6-C10
<400> 9226

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cgtagtattc gagaatacta cagtattcta ccaaactgt gcctagacac ccccgagct 180
agtacaaact tcaaactagt cgggcccaca gggaagtcgc agtcctccgt tttatcttcg 240
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caccactgaa ggtacaacta cagtcgcctt attgcgtcct ctccgccttc actcatcatg 360
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tgcagagcgg gcacacagcc gcatccaggc tcgtactga gaaccagtc tctggacatc 480
taccagctga tagagatcgc cagccc 506

<210> 9227
<211> 497
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-Q1-N6-C11

<400> 9227

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ttcccaaadc tcatgaatca gtngtngggc ggaatggcag cggagacgcc acagggggtg 180
gtgcggtagc tgggcagctg gtactggtag agtccacca tggccggcat gttctgcgcc 240
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agagctggct cgtacaggct gctgctggcg gcngcggcac gctcaagctg catcatcatc 360
tgcagctgct gcgcgaaggc cttgccgtcc atcatcctca tctgctgctg gcngccctgt 420
tgccggagcg gctggaacat ggcgctcggc tgccacacc cggcggttgtt gggcgccgcc 480
gccagcgggc tgcactg 497

<210> 9228
<211> 337
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-Q1-N6-C2

<400> 9228

aaacggacaa tggccatgac tgcaacatng gnngagncca atacaacacg gggagacatg 60
atgtgtagac aaaggtnctt tgtttagaca agaataacct gttgattgtt ttacagcatc 120
ttattgttat ttttttttag aactccgatt gatattttgt gcggcaaata cccgtcctgt 180
gagacctttt cagctcatat gaccaatcca tcagcaatta tcgcgttctt cagtgcgacg 240
gtggtgccag atcgaatgtt gaagccttcg gaagttcttt cagnttcac 300
gagttgggga ttgccgcttt cttccctatc ctgcgct 337

<210> 9229
<211> 498
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-C4

<400> 9229

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cggacgacga tgatagctag atgaccagat cagagttggt gacgcaggta aacaccgatac 120
gcagcgacga gcctgctggt cgagcgtcca tagaacccca cgatgctgct gccgatcggc 180
gCGgtgatgc agaaacgtgt cccgtcctcg atcccccatg gccccaggt tctgctgctg 240
gtgagaattc tgatcgaggt cagcgtggtg ggcgcttcaa acatgccgta tgttcctgag 300
acctccctga caacctcggc gtcgccaaga tcgatcgttc gaagggtgcc gccaagtcca 360
ccccatcgcc cagcagtgcg cctctggcca cctctatcag tatacgtgaa ctcgatggag 420
tcgacggcaa aaccagttcg aacggagagg ctgtgcagac gctgtggtgg ctccgtcgtc 480
gtgatgtcct gcgccgac 498

<210> 9230

<211> 72

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D12

<400> 9230

gggggggggg ggcgccgaac aaaaaaaaaa aaacccccag ggccgggggg gggggggagg 60
ggtggtgtgg gg 72

<210> 9231

<211> 496

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D3

<400> 9231

caaaaattat cgagaaaaat ctcaatcaat atattgatta tttctaggaa acacatgtcg 60
gtttgagggc ccattgtcg agtccatctc atatgtaatc taaaagatgg cccctccaac 120
gatgggttgc tgcaaggcag ggttcatcaa agagaactgg ttgtttggca gcaattgttg 180
ttgctgctgc aggaaggtag ccaccaatgg gttagccact gccaatggat taagtaactg 240
ttgtcgctgt tgtaggtccc cagcaaagtt tgacacaccc agttggttga atggaagcaa 300

ctgttgtaag taggcagcag ggtttgccac agctagctga gtcagagctg gtacaatttg 360
 ttgctgcaac aaattgtagg tacgtagggtg cattgcccac cgcgagcggg ctaaataaaa 420
 gtagttgtag gtagacggca gggttcacca tggctagttg actgagcact ggcataaact 480
 gttgcagctg ttgttg 496

<210> 9232

<211> 546

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D4

<400> 9232

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 gttggtagaa cactgttgag tttgtcaaag caagttgggtt gaatggcagc aattgttgca 180
 gttgtaagag ggtgccagcg ttaggcatag cgtgcaggta gaacggcaac aactgttggt 240
 gtgtcaagaa ggcagcaggg ctcacatcag ctagctggct gaatggtagt agttgttgct 300
 gctgtaaata agcagcagag ttcaatgctg ctagttgggtt gaatggaaga aattgctggg 360
 ggtaggcagc aactagctgg ctgaatggta attgttggtt caaataagca gcagagttca 420
 atgcagccag ttgggtgaat ggaagaaact gatgttgctg agagtatgca gcaaggtttg 480
 ctagcacaag ttgttgtagt tgttggtgcc tgatgttttg tgccaccaa tggaccaaag 540
 gtaact 546

<210> 9233

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D5

<400> 9233

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 atggtcaagg aacagcatgc cagacaacgc attttgcgcc cgaacgctcg acttcctgtc 180

aagcggctct taccatacca aggttacacg atccatcgat gcaataccat tgtaggttct 240
 tgtttttag acgcaaacgc agccgatcta tatgacagac ccatcgttga tggttgcatt 300
 cttcaagatc accacgattc cagaccttat gtagtaccct tcttcgggt gatcagcctc 360
 ttggatgccc ttactgtttg tgatcaccac gttcttccca atcctagcat tcatgtcaat 420
 gatacagttc cttatctttg tgttccttcc tattccaact gggaccttcc cagctaacag 480
 tagctttgaa gcttcttctt cagtttc 507

<210> 9234

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D7

<400> 9234

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 cccccggggt ggggtgtggg ggaaacactg gttgggttgt caaaaaagggt tgggtgaatg 120
 ggcacaattt ttggcggtgt aagggggggc ccggtttggg gccaccgggt tgggtggaacg 180
 ggaacaactg ggggtgggtc aaaaaggggg ggggggtccc acccctttgc tgggttaatg 240
 gggggtgttg gtggtggttt aatattgcgg gggggttcat tgttccccgt tgggtggggg 300
 gaaaaaattg ggggggggtg gcaaaccggg cctggctggt tgggtgtttg tgggtggtgc 360
 cttttaaaaa ccggtttcaa tgcccccttg ttgggttttt ggggaaaaaa attctttttt 420
 tttttggggt 430

<210> 9235

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-D9

<400> 9235

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 tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttgtt 120
 ggtagaacac tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180

gtaagagggt gccagcggtta ggcgcaacgt gctggtagaa cggcaacaac tgtggttgtg 240
 tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt 360
 aggcagcagg tagctggctg aatggtagtt gttgttgttg caaataagaa gcagagttca 420
 atgaacctag ttggttgaat ggaag 445

<210> 9236
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-E2
 <400> 9236

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 tgcactgcat gccccagac acaagcatgc acacacaaag cacaacacat aaacgactag 180
 ctagagctat cgcggcgacc gagactctac ggcagcgtac gtagcagcag ccaccgcctt 240
 taagggccat atgccgccgc gccggcagtg gttcaaggag gtcgcgcgcg cgggccgcctc 300
 gagtgtggtt cttctctcaa gacccttgcg cctggctgat gcggtgctgt gctgcatacct 360
 tgatgtcgcg ggccttggac gccagcctcg ccttggcgtg gtccagctgg tcggcccccg 420
 gggggtgctt gcccgtcagg tacttgtaca tcca 454

<210> 9237
 <211> 346
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-Q1-N6-E4
 <400> 9237

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 ggcccccttg gggggccctt ttttggggga acaaaagggg gggcccccca aagggggggg 120
 gggggccccc cagggggggg ttcaaaaaaa aaaacggggg ggggggggaa aattttggct 180
 tggggggggg ggggggcccc aagggggggc cccccccca ggggtaaaaa aacggggggc 240

ccggggggggg ggccccccaa aattttccaaa agaaaatggg gggaaagggg acaccttggg 300
gcaagggggga aaaagggggg cccccaattg ggggggaaaa gggggg 346

<210> 9238

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-E5

<400> 9238

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tgtgcatcgt gtactctgat tcgtatgaac tatgcatttg cctatggcca aggaatctga 120
gtctttaaga actcacgcct gctgtacatg taccatttta ttgggctttt ctactttcca 180
cacgccggag catccacac gcgagatgct ttgtggcatg ccttgaattt gaatatactt 240
caggctccat ccacggagac gcttaccatt tgttatgtgt gtcatcaaag attagggact 300
caatatcttg caccacatga tcatctatct caattctcag ggtagagtta tgacccaact 360
tgacaaaagg cgtcctaaga gccctgttct tatacactgt cgttctatca gggtgtctgg 420
acgggaggat ccaatctctc ttgtccgggc gaaggattcc acaatgcaga tcttacacca 480
cgttgaacac ggccgttcag aacatgagcc gatacgcttg ct 522

<210> 9239

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-E6

<400> 9239

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aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
gctgttgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggtgttg tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgttgttgc aaataagcag cagagttcaa tgcagccagt 420
 tgggttgaatg gaaaaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
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<210> 9240

<211> 527

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-E8

<400> 9240

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 catacgacaa cataacggct ccctctgctg atcaaaacat atcagcgatc tacctcaaaa 120
 acaagttcta ttcttaggta catccttcta ttcttaggta catgctcgag ggtgaaatac 180
 agtggaaaac atagcacaga gctatacatc cggcattccc gctggcttcg tcttcacttg 240
 atcatgtagc gagagtgaag ggcatatcga cagaaacacg tcaaaagaaa cgcaaggcat 300
 cctcaagctc cttctcatca gtgcagttgt agccaacat aatcgcccggt gcgtaacgctc 360
 cagatcccat gaatggctct gcttcatcca ctacaccagc ctgttgacaga tcggtatcat 420
 cagcatccca ttcatcatca ggacacagcc acctttcaaa gcagtggcca gatatcgtag 480
 aaagaagcag cccactagat tggccaaga caaatcacg acaagcg 527

<210> 9241

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-F4

<400> 9241

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 cccccaaggg gggtaagttt agtgagctcg gtctgacaaa gacataggac tgatgaccgc 120
 atgaccatgc tggatcatgc cataccattc atattgtagc atccatcggt cgatcagtca 180
 ctggcaacag gagaatcgct gccggacctg gagcgggatc caagaggtga gcccgagtac 240
 tccttggggg acctgcggtg caaaggagat ccatcgctgt ctgctggggg cgacctcttc 300

tcataaacat tgtcagcatc atctttactg gcaggagagt aggacctccg cttcttatct 360

tcacatgct cctttggcag gcgcctggga ggagatgagc gatgggcttc ctgtctcctt 420

<210> 9242

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-F6

<400> 9242

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gggccccctt ttcgggtccc tctcatttg aatctaaaag aggggcccc ccacgatggg 120

gtgctgcccc cacaaggggg gggtcatcaa aaagaaccgg gtggttgga acaattgttg 180

ctgctgttg aagggcgccc cccatgggt agccccccct ggggggttaa gtaaccggtg 240

gccctgttg agggcccccc caaagttcga cccaatcagt tgggtgaatg gaaatagttg 300

ttgcaagtag gccgcagggt ttgccccaac ttgctgagta agagctggga caatttggtg 360

cagcaactgg tgggtgcaacc accgttggt caggttttta ggggcattgc ccatagcgag 420

cgggctaaat aaaaaaatt gttgctgttg tagggaggcc ataggg 466

<210> 9243

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-Q1-N6-F7

<400> 9243

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tttctggttg ngccacatac actcatcaa aaaactttat tattggaatt acaactaata 120

agcaatctaa aagagggcac caccaatgat gtgtgttg taggaggctg ctgggtttgt 180

caaagcaagt tggacaaagg gcaacaattg ttgtagtgt aagaggggtg cggggtttagc 240

cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc aagaaggaag cacggcttgc 300

tgcagctagc tggctaaatg gtagtaatat ttgctgtgtc aaataagcag cgagggttcag 360

tgccggccaat tggttaaatg gaagaagttg ttgttgatga gagtaggcag tagctagctg 420
gctgaatggg aatagttggt gctgc 445

<210> 9244

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G10

<400> 9244

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attgttgcag ttgtaagagg gtgccagcgt taggcgcagc gtgctggtag aacggcaaca 180
actgtgggtt tgtcaagaag gtagcagggc tcacaccagc tagctggctg aatggtagta 240
gttgttgcgt ctgtaaataa gcaggagagt tcaatgctgt cagttgggtt aatggaaaaa 300
attgctgggg gtaggcagca aatagctggc tgaatggtag ttgttggtgt tgcaaataag 360
aagcagagtt caatgcagct agttgggtga atggaagaaa ctgctgttgc tgagagtagg 420
cagcaagggt tgctagcaca agttgttgta gttgttgc cctgatgttt tgtgccaata 480
aatgcaccaa aggtaactgc tgtaataggg ctgatgattg tt 522

<210> 9245

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G3

<400> 9245

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ggaaatttaa aaccaggggg ggggatttga aaaattttaa accttttttt aggatttttg 120
ggggccccgg gcgggggggg aaaacaaatt aaaggggggg gggggggaaa ccgtttggaa 180
ggaaaagggg gggggggggg gggccataga aacccaaaat ttttttggcc tggggggggg 240
gggggcaaaa aagggggggg tttttggtgc cccaggggcc ccaaagttgg gggggggggg 300
ggaaaatttt taaagggggg gggggggggc ccccttggga gggggcgggc gggccaaaaa 360

attcttgggg ttttttaggg gggcccaaaa aggggggtcc ggggggtggg gg 412

<210> 9246

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G4

<400> 9246

caattgttca ttcaggtcat tgctcacact gacactgccca cccatggtga tgcgtgacac 60
attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120
acagcacata gtttcttcag tggggggacac cgccggcagc agcgtagggg catggagtcg 180
gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
cgacctggcc gctttgcgcc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
cctgggtaccg gtgctgcgcc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360
actggcactg aggcgagcag tagggcgctc ccgtcgggct gcaactgatgc ctgagaaact 420
cgacgcactg gcccaggatc ggggtgctgc caacgccgca ggttccttgc agctggcacg 480
ggcttggatg cggctgttgg cacgggcatg ggtgtggctt gggga 525

<210> 9247

<211> 545

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G6

<400> 9247

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ccattgtcga gtacatctca tatgtaatct aaaagaggca cctccaacga tgggttgctg 120
caaggcaggg ttcacaaag agaactggtt gtatggcagc aattgttggt gctgctgcag 180
gaaggtagcg accaatgggt tagccactgc caatggatta agtaactggt gtcgctgttg 240
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ttgtttagg tacgtaggtg cattgcccac cgcgagcggg ctagatgaaa gtagttgtag 420

gtagacggca gggttcacca tggctagttg actgagcact ggcataaact gttgcagctg 480
 ttgtttgttg tggtatgcag ctacgttcgc cagagcaagt gggttggatg caagcagctg 540
 ctgtt 545

<210> 9248

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-G8

<400> 9248

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 ggggtcttag gggggggccc cccgccgtg ttagccgggg gggggggggg gccgcttctg 180
 gcgggctggc ggccccgggg gcgtcgtgtc tgggggataa ggagggtcgg ggggctcgcc 240
 cccacggggg aggttgcttc cgccgcttgg attggcccca gggggaagcg gggccgtttg 300
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<210> 9249

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H10

<400> 9249

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 gctttttgcc ggtggaccgg caaccactgt ggttgggtca aaaacgaagg agggttttca 180
 ccagctccct ggcttattgg gggccccggg gggggccgcc cctcccca 228

<210> 9250

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H3

<400> 9250

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gaaaatggaa aaaaaaagg gttggggggg ggggacaaag gtttcaagg gggggggggc 120
aagacccaaa tctggttaaa aatttgccac gggggccaag attccgaacc ctaaaggggc 180
aaaaaaatgg tccacttgta aaaaagttcc cccttggttt ttttgggg 228

<210> 9251

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H5

<400> 9251

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gacatgcaaa tacgttccac acattacagc aagcggatta ggacaattcg ggctacatta 120
agcaaataaa agctacagat ttacagtact agcacatgtg ttgttgaagt cggctgattt 180
catctttcca ccagaccacc actgaccct atgtacagca cacagacaac catcgcatcc 240
acaccacac taccaaccta ggtatccagt ttctggcagt acgtacacca gatccttcct 300
atatatgcat gaaccaacat aaggcatcaa gctatcatca ccaaatcaac agagtatcat 360
ggaagaatac caaaaagctg ccccatctct ctctccatga agcacacact tggaacttac 420
ctattgccat gcaatgtatt gccattcaat ctagtgtgca caggaggcat ttatcctgtc 480
acctttacgg tcatggaagt cgatggaact tccagcttgg gcagtagcca ccc 533

<210> 9252

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-Q1-N6-H6

<400> 9252

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gccacaggg ccccgggcca gtggggggcg ggaaacaaa attcctctac gtggatgggc 120
cccgtggccc aaaaagatgt tcctggtggg ccgccgtggc cccctggggg gtggccggtg 180

gccttggttt tagtcctgt ggccgctggc gggggggccc ctggcgcttt gccccctcct 240
gttggttgcc tggactcgtc tgttgctcgt tggggggcgg gtttgccgcc gcttgctggg 300
tccgagctgg tgcactttgt tgccccaact gttggtgttg gttccttggg gccttgccca 360
ccgggagcgg gcttggtgaa 380

<210> 9253
<211> 284
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-082-Q1-N6-H9
<400> 9253

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gggggggggtt tttttttgtg cccccgcggg gtgggttgtg ggggggtgggg ggcccccttt 120
tttgtgctcc cccccccgc tgtggggggg gggggggggg ttttttttgg gggggggggg 180
gggcggcccc cccttggtgg ggggggtttg ggcgttgttt gtgtgtggcc ccccgctcgg 240
gggggtgggg aaggccgcct tccccccgg gtgggggggg gggg 284

<210> 9254
<211> 225
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-A1
<400> 9254

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ttacctctaa gccctatact acctccgttc ttgaatattt ttcgcccgtt ggtccctttt 120
tgaacttgac cgggaccttt ctttaaagaa ggaaccgaga gagttttatt tctgattggg 180
ccctgtttca gggcctcgtc ctttccgtgg gccccacctt ccaca 225

<210> 9255
<211> 319
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-Q1-N6-A2

<400> 9255

cttcttgctt tgtttttggg caagctggtg ccagctgctc ggtgttttct gtctgcttct 60
ttttgtgttc ccctccac gccgcccgg gtcgcggtt tgttttccct gcctgtggct 120
ggctccgact ggcaagggtc cgcggccctc tttcccgccg ggggtttccg ctgtgttccc 180
ttctgctggc ctccgcccgg tgatgccctt ccgtgcctt ttctggtgc tgccccctgt 240
gtttctcttt ccccttgntt tttttggccc ctttaccctt cttggcttcc cccctttcct 300
cctttggggtt cccccctgt 319

<210> 9256

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A3

<400> 9256

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ctgctggggt tgtcaaagca agttggttga atggcagcaa ttgttgagct tgtaagaggg 180
tgccagcggt aggcgcaacg tgctggtaga acggcaacaa ctgtggttgt gtcaagaagg 240
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caggagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcag 360
gtagctggct gaatggtagt tgttgttgtt gcaaataaga agcagagttc aatgaacctt 420
gctggttgaa tggaagaaac tgctgttgct gagagtaggc aacaagggtt gctagcacia 480
attgtttagt ttgttggtgc ctgatgtttt gtgccaataa at 522

<210> 9257

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-A4

<400> 9257

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ggggtgatttg ctaaatacct aaatctcgct cgctctctcc agctaacaat atgcactggg 120
 atctgggcttg taaaatataa gtttcagtcc tctttgaaga gtcacggcc aattatcatt 180
 cttcttacct cactagtacc agcaccaatc tcaaacaatt ttgcatctct caggagacga 240
 ccagttgggt actcatttat gtacccattt ccaccaagac actggattgc ctgaagtgcc 300
 acttggggttg cattttcagc agcaaagaga attacccttg cacaatcctt gcgatcaact 360
 ttgccattat cgcagtcctt agcaaccgag tatacaaagt atcttgacga ctgcaacgag 420
 gtgtacatat cagccatttt cccctgtatg aactgaaatt caccaattgg acgcccgaat 480
 tgctcccttt gtctaacata tggaagtaca acatcaaagc atgc 524

<210> 9258
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-Q1-N6-A5

 <400> 9258

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 aaaacttcat tattgaacta taactcataa gcaatctaaa agagggcacc accaatgatg 120
 ggttgttggg agaacactgt tgagtttgtc aaagcaagtt ggttgaatgg cagcaattgt 180
 tgcagttgta agaggggtgcc agcgtaggc atagcgtgca ggtagaacgg caacaactgt 240
 tgttgtgtca agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt 300
 tgctgctgta aataagcagc agagttcaat gctgctagtt ggttgaatgg aagaaattgc 360
 tgggggtagg cagcaactag ctggctgaat ggtaattgtt gttgcaaata agcagcagag 420
 ttcaatgcag ccagt 435

<210> 9259
 <211> 190
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-Q1-N6-A7

 <400> 9259

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atgatggggtt gttggtagaa tgctgttggg tttgtcaaag caagttgggtt gaatggcagc 120
aattgtttgcg gttgttagag gggtccagcg tttggcgcat cgtgctgggtt gtacggcaac 180
atttgtgggtt 190

<210> 9260

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-A9

<400> 9260

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attattacag tataaatcat aaaaaatcta gaagatggca ccaccaatgg tgggcgggtg 120
caataagggtg gtaggattcg tcaaagcatg ttggctaaat ggtagcaatt gttgttgttg 180
taagaaggca acaatgtttg ccacattctg tgggtagaat ggtagcaatt gttgctgttg 240
caagaaggca ttaatgtttc ccacaacttg tgggtaaaat ggcaacaaat gttgttgtct 300
caagaaagca acaatgtttg ccacagcttg cagatggaat ggcagaagct gttgttgcag 360
taagaaggca taagggctcc cgacaagttg gttaaatggg agtagctgtt gtgcctgcaa 420
gtagatagca gggttcacc cagctagttg attgaatgga agaaactgtt gttgctggag 480
gtaagcagca aggttcgctg caactacttn gatgattggg ggtagcaact gtt 533

<210> 9261

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B1

<400> 9261

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ccccggggg tttttatttg ttaccaaca tagtaattaa gtgcagcagc agatcatgat 120
gtgtcgttgc attgatcagg cctcgtcgtc gtcgttgtca gcaactggcag cagtagcggc 180
agcggcagta ttttgatttt taacgagcgc aacgatcctc gctgcttcgt tcttaccctt 240

gatgccaagc ttttgcattgt cggggatcac agcggggggg tggtcagccc actctaaggc 300
 cgccttgagg atcctgtccc acttttggac ctgctttccc tgggttacgg gcaagggcac 360
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<210> 9262

<211> 226

<212> DNA

<213> Zea mays

<223> unsure at all n\locations

<223> Clone ID: LIB3061-083-Q1-N6-B3

<400> 9262

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 taggatgatt ggtgatacca aagaggaagc aaacacaaac acacaaagtt tcagaagcac 180
 agctactgct tgctccctca ggcgaccttg acctcgatgg gtcttg 226

<210> 9263

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B4

<400> 9263

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 gaaaaacctc acattaaagc acagccattt cacgattttt ggcattcctc acagcattca 180
 aattagggct tcttggaac gccttccttg gacacatacc caggaggggc ttcctaactc 240
 attttttcct caccacacgc gcacttgggg ggcagggtcaa agtcacactc gtcgcacctg 300
 taggaccagc tggtgcccat tttgtcacia ccattacagg ggtacgtacc acggggcaaa 360
 aagacaagtt cgggctcgtc atgcaactta tgcttaaact tttgaggcca ccccttcgcc 420
 atttaatcca gctttttttg tagctcctca agtctctcct cggatgaatgg gaaagcatca 480
 gcaccggggg 490

<210> 9264
 <211> 501
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B7

<400> 9264

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aatggtaa at gaggaagttg tattactcca caacaagaat attgttctgc gtcagtccat 180
ctccagcagt gggatattca ggcgacaatc tccattcccc atcaaccaa aacttgatct 240
cgtaccttcc aggtcttagc ttcagagtcg cagagaatct tccgtagtca cctgaatact 300
ccatggacat cgccttgccc tgtgaccatt catcgaatga acccatgac tgcacatttt 360
cagccatgcc aatccagtag acaggaattt cttgggtctt taaagcgtca acactcttta 420
cctgttccat aatcttatca tggacagctt ttaatctgga gagaaaatga aattgaatat 480
attttccgtt tatcttctta a 501
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<210> 9265
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B8

<400> 9265

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ctagtgcatt taaatgatac tccttccgtc ccaaattgaa attcgttttg cctttcaata 120
gattcataaa ataattaatg tatatctcta ctactactta tgtagtagt gtaggcgtcc 180
acaaccaccc gttctatcgc gcgcagatgc ccgaatcgcg caatcgggtcc gcaaccgccc 240
gcatccgtgc cagcaccgga accgcttctt tcattcttcg tcatccttgc atccacacgg 300
gaggatccca gcgctccctc ccgggcaccc gcatccgtgc cggatcacgc agccgccccg 360
taccacggat accagcgtg cctgcaccac acaagcctcc ttgccatgcc ccatgcgtag 420
cgcccacacc accgtcc 437
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<210> 9266
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-B9

<400> 9266

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cacattaaaa tctggaaatg taactttctta tttctgggtg gcccatttcc ttatccaaaa 120
aacttttttt ttgaattaca actaataagc catctaaaag gagggccccc ccaatgatgt 180
gttggttggt ggaggccctt cggtctgtca aagcaagttg gacaaagggc aacaattggt 240
gtagttgtaa aagggttgctg gggtttggcc caaactgctg gttgaaaggc agcaactgtt 300
gctttgtcaa aaaggaagca cggtttgctg cacctagctg gctaaatggg agtagtattt 360
gctgctgcaa ataagcagcg gggttcaggg cggccaattg gtttaatgga aaaagttggt 420
gttgcttaga gttg 434
  
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<210> 9267
 <211> 526
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C10

<400> 9267

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agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgc agcggttaggc gcaacgtgct ggtagaacgg caacaactgt ggttggtgtc 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttggt gttggtgcaa ataagaagca gagttcaatg 420
aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataa 526
  
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<210> 9268

<211> 523

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C11

<400> 9268

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aactgaatta ttaagcttca cagcattccc cagcttctgg tccggcatgt agatgaactg 180
aattacagta catgttatta tggccactct acgcagatgg aaccggaacg ggaaaccaga 240
tctgtcagta ctcagttgcc gccagcgcag aggagggcgt caaccttgct cttgaggtgc 300
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acgccttga gcccgaaact ggggtccacc ctccacgggt gcgccgggtc gcgccaagt 420
ggcttgtecc cgacgtaggc gcgcaggagc accgcgtcct tgccctccag tgcctccagc 480
cgctcgtaga tcaccggctc cgccacgttg cagtcggggc acc 523

<210> 9269

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C5

<400> 9269

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ttgggcatcc cgcattcata cccttgcgcg gaggtgaaga gatcatccgg gcgagaagac 180
aagttaattt tattttttgtc tgtgcgcgcg cgcgtggggc gcttcgggtca cacgcgtcgc 240
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gaacagcggg cactaccgg ctaccgccgc ctcttttcca ctccaccgg cttgtgttct 360
cgcccgggca gcgccagcgc cgaggagggg aagctccgtc atcaatcggc cggccggggg 420
ccggtgcccc aggaaagctt agcgtatcgc ag 452

<210> 9270

<211> 539

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C7

<400> 9270

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actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtgggtg tgtcaagaag 240
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agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
agttgttgta gttgttgctg cctgatgttt tgtgccaata aatgcaccaa agggtaact 539

<210> 9271

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-C8

<400> 9271

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gctgcaaggg agggttcatc aaagagaacc ggggtgttgg gaacaattgt tgttgctgct 180
gccggaaggg agccaccaat gggtagccc ctgccaatgg gttaagtaac tgggtggcgt 240
gttggggggc cccccaaag tttgaccaa cccgttggtt gaatggaaac aactgttgta 300
agtaggcaac agggtttgcc ccaacttgct gggtcagagc tgggacaatt tgggtgaaca 360
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<210> 9272

<211> 266

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-Q1-N6-C9

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 aacctcaatg ggatacacag acatgacgcc gcagagcaaa acacgtcgca gatccccctct 180
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 gtttagcgcca ggttttcctc ccatgc 266

<210> 9273
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D1

<400> 9273
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 gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
 gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300
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 tggttgaatg gaaaaaactg ctgttgctga gagtaggc 458

<210> 9274
 <211> 490
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D10

<400> 9274

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 cagggttcat caaagagaac tgggtgtttg gcagcaattg ttgttgctgc tgcaggaagg 180
 ttgcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
 ccccgacaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
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 gtaggtacct aggtgcattg cccaccgcga gcgggctaga tgaaagtagt ttaggtaga 420
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 gttgcttgta 490

<210> 9275
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D11
 <400> 9275

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 tccttcaaga tatcaaaaca aatgcccccg ttgctgggtga ttttcgggtg ggaaaccttc 360
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<210> 9276
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D2
 <400> 9276

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 ggcctttttcc cccatggaaa tttaaagagg agggggcccc caaagggggg gtggggggga 120
 aaccccggtg ggtttgtcaa aacaaggggg gtggttgggc caaattggtg cttttttaaa 180
 agggggccac cttttgggcc ccgggggtgg gttaaaggca aaaactgggg ggtttttaag 240
 aagggggggg ggttcacacc aactatcggt gtgaaaggga tcagatgggg ttgctttaaa 300
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 ccaaaggat 370

<210> 9277
 <211> 511
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D4
 <400> 9277

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 agtaggcagc agggtttgcc acaacttgct gagtcaaagc tggtagaatt tgttgtagca 360
 actgttggtg taggtaccta ggtgcattgc ccaccgagc cgggctaaat aaaaatagtt 420
 gtaggtagac cgcagggttc accacggcta gttgactgag cactggccta aactgttgca 480
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<210> 9278
 <211> 532
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-D7
 <400> 9278

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acaaggcagg gttcatcaaa gagaactggc tgtatggtag caattgttgc tgctgtagga 180
aggcagtgc caatgggtta ggcaactgcta gtggattaag taactgttgt cgctgttgta 240
ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
cagcaggggt tgccacagct agctgagtca gagctggtag aatctgttgc agcaattgtt 360
gttgtaggta ttaggtgca ttaccacaaa cgagagggct agatgaaagc agttgttgct 420
gtttaggta ggccgagggg ttaccatgg ctagttgact gagcgctggc agaaactgtt 480
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<210> 9279

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-D8

<400> 9279

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tgaaaccaca gcagagcaga aacggaagag aagaccccat atatatgttc ttcgggatac 120
tgcgtacgc agcgttcgat tacaactcaa cataaatacg attggtctgc atcatgtccg 180
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ggatcagact tcagctgctt ccttcacttg tccacttggg attgtttctc ttctttataa 300
tagcgggtga aacccaatgt atccttgatc tcctgaaaag atggcaggac gctaggtgga 360
ggtacaccgc cgtcttttat cgcaactaga gcacctgca ttgcacgcac tgatacccca 420
actaaggata aaggatatac tacaagcctg aaaccaattt cctcaagttc agcagggctc 480
aaatatggga gttttaccac caccttctaa catgtttgcc atct 524

<210> 9280

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-D9

<400> 9280

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 tttttattgg caaaccctcc taagggcatg gggggggggg gggttttttg gggggtttgg 120
 gggggccagg ccccccattg ggggggggtt tggggctggt gccaaaattg cccccgccct 180
 tgggggggct gggggggccc cacaaaacca aaaggggggg ggggggggcc cccccgggtt 240
 tttggttgga accatgttgt aaattgttgg ggggaatgtt tggggctaaa tcggccaaag 300
 acctggaaaa cattgggggtg gcaatacctg gggttttctg gggggtttca aacgggggtg 360
 gaaaaaggct ttcccaaagg ggtgcccggg ggccttagga attaaagaaa atttttta 418

<210> 9281

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E10

<400> 9281

gggggggggc aaagggggcc caaaaaaag gggccggggg ggggggtttg ggggaaaaac 60
 cgggtttggg ggggggcccc ccaaaggccg ggggggcccc gggaaaaaaa aggggaaaaa 120
 aaaaaaaaaa aggggggggg gggccccctt tttgggggtt gggggggggg gggccggggc 180
 tggttgaatt tggttttttg ggggcaaaaa aaaaggcccc cggggggggg ggggggttct 240
 taaaagggtt ttccccgggg gggggggccc cggaattttt tttggggccc aagcccctaa 300
 ggggggggtt ggggcccccc caaaaattgt ttttggcccc cggggaaaaa tttggggggg 360
 taaaaaaaaa acacgggggt tttttttt 388

<210> 9282

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E4

<400> 9282

cgagaaagca ttcattcttct tgctgtgctt attattcagc catatgagct agctacaagc 60
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 atccaggggc attcggcgac gccgctgatg gtggccaggt tgcactcggc ctccgtgacg 180

aggggtggcgg cgaatcccct ctgcacctcc cgcgggcagc ccggcaggtc ctctaggcgg 240
 ccctccagct gcgcgtccgg gcccgccggg atcgcgccgt ccatgaggat gctcagcgcc 300
 gtgcaccggc agtacgccgg gatgtccgcc agctcccggc agcatctcct cttcagctcc 360
 ggccacggga ggcgcgccc gatgccgag gtccggctgg tcacgtacca gcggcagctc 420
 gggagcgggt tgtgcgggat ggcccacccc ggcacgcagg aggtcccggc gctggcgctg 480
 gcagccgca gcacggagag caggacggcg gctgcgagga tgaggcggcg 530

<210> 9283

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-E5

<400> 9283

agcttgcttc ccaatttttag ggaaaataat ttttgaacac ctttgcaggc caatagcaca 60
 ttagaatttg gaaatgtaac tttttatttt taggggggca cattcattag ccaaaaaact 120
 tcatttttga attacaacta ataagcaatc taaaagatgg ccccccaat gatgtgttgt 180
 tggtagaagg ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctgttgagct 240
 tgtaagaggg ttgcgggggt agccacaaac tggtagtaga acggaagcaa ttgttggtgt 300
 ttcaaaaagg aagtggggct tgtttagct agctggccaa atgggagtag tatttgctgc 360
 tggaaataaa cagaggggtt cagtgcggcc aattgggtta atggaaaaaa ttgttgctgc 420
 tgaaagtagg cagtaactaa ctggctgaat ggtagtagtt gttgttg 467

<210> 9284

<211> 543

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-E8

<400> 9284

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 attgaactat aactcataag aaatctaaaa gagggcacca ccaatgatgg gttgttggtg 120
 gaatgctgct gggtttgtca aagcaagttg gttgaatggc agcaattggt gcagttgtaa 180

gaggggtgcc a gcgttaggcg cagcgtgctg gtagaacggc aacaactgtg gttgtgtcaa 240
gaaggtagca gggctcacac cagctagctg gctgaatggg agtagttgtt gctgctgtaa 300
ataagcagga gagttcaatg ctgtcagttg gttgaatgga agaaattgct gggggtaggc 360
agcagatagc tggctgaatg gtagttgttg ttgttgcaaa taagaagcag agttcaatgc 420
agctagttgg ttgaatggaa gaaactgctg ttgctgagag taggcagcaa ggtttgctag 480
cacaagttgt ttagttgtt gtgccctgat gttttgtgcc aataaatgca ccaaaggtaa 540
ctg 543

<210> 9285
<211> 494
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-F11
<400> 9285

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accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atggggttgct 120
gcaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgt tgctgctgca 180
ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgcgctgtt 240
gtaggtaccc agcaaagttt gacacagcca gttggttgaa tggaagcaac tggtgtaagt 300
aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
gttgtttagt gtacgtaggt gcattgccca ccgcgagcgg gctagatgaa agtagttgta 420
ggtagaccgc aggggttcacc atggctagtt gactgagcac tggcataaac tggtgcagct 480
gttgttgttg ctgg 494

<210> 9286
<211> 411
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-Q1-N6-F12
<400> 9286

ccaaaaaatt tttttccctt attttttttc ccttcccatt aaaaggggta attaggggaa 60

tgggtaaaaac ggccccccag gggggggggg gaaactcctt tcctaattggc cgttaaaggg 120
 gaaaactagg gggcttggga gtttgtaagg ggctcctttc cattttttcc aaagaaaaaa 180
 tttcccaaaa aagaaaaacc ccccggcatt tttttttaa ggggaggaac ctggtttttt 240
 aaatttaagg cccaaaattc cccaaagttg ggggggttac ggggccccat taaagccga 300
 aagccccccc tggggttttt tttccaaaaa aaacttcaaa accaaccctt ttttccccgg 360
 gaccggggga aaggggccca cctgccttat ttgggggaaa aatttttttt t 411

<210> 9287
 <211> 157
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-Q1-N6-F2
 <400> 9287

aacccccaaa gggggggggc ctttttgggt taacgccgtt ttccccaaaa aagggggggg 60
 ggccataggg gccccccct tggggggggg ccccgntctc ggggggtgtc gggggggggc 120
 ccccggtttt tcaagggcgg gggggggggg gccctgg 157

<210> 9288
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-Q1-N6-F3
 <400> 9288

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 aaagcttttg acctactttg ggtttaaacc caccacaaacg cttccaatgc atttggggtg 120
 ggatgaaaaa aaacaagcct ggttttcctg gcgcctttca aaaaaaaaaa aaaaaaaaaa 180
 acccggtgaa gatttggttg accccgttcc cagactcaaa gacaacctaa gcagactggg 240
 ggaaataact gcccgaacaa atcctcaagg gtttttcgct taaaaaagt ccatttccgg 300
 gtgctcaaac atgaactttt tgaaaatttt ttgcttttgc atttcatcac ttggcggaag 360
 gcccatattg ttttggggct ggtcaaacat tattttttcc acagtttgtc tagtttcagg 420

atccaaatca aaaagtttgg tggtctcagg ttccaccttt tggg

464

<210> 9289

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F4

<400> 9289

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atccattcaa cctcatcaca atctgttcct ttctactgtc acttgtgata attaaactaa 120
aaacacccac cgaccgcggt gtaattgtgt acataacctc aatgggatac acagacatgc 180
cgccgcagag caaaacacgt cgcagatccc ctctctctct aactccgtcc ctctctctct 240
ctccctctgg tcccgcaaaa actaggcggt ggaggcacgt tagcgccagg ttttctctcc 300
atgcttacgc agccacagcc gtccacacct tggatgctca cagctcgtcc ttgacgggct 360
cgggcgccgc tgccttctcg gatgccggtg gcccctgggt ggtgggtggg gtggcgcccc 420
ctgcggtctc cttgctcttc ttgatgaagt cgacgatgtc gtccgccgtc ctgccgctgt 480
cgtaggatgt caccttcccc ctcggg 506

<210> 9290

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F6

<400> 9290

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ggttgccac atacatcatc caaaaaactt tattattgaa ttacaactaa taagcaatct 120
aaaagagggc accaccaatg atgtgttggt gtaggaggc cgctcggctc gtcaaagcaa 180
gttgacaaa gggcaacaat tggtgtagtt gtaagagggt tgcgggggta gccgcaact 240
gctggtagaa aggcagcaac tggtgctgtg tcaagaagga agcacgggtt gctgcagcta 300
gctggctaaa tggtagtagt atttgctgct gcaataaagc agcgggggtc agtgcgccca 360
attgggtaaa tggaagaagt tggtgttgct gagagtaggc agtagctagc tggctgaatg 420

gtaatagttg ttgctgcaaa taagcagcag ggttcagtgt agacagttgg ttgaatggaa 480
gaaattgttg ttgc 494

<210> 9291
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-F9

<400> 9291

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atttagacat ctggtttcag ttacagaagg cagtacgtgc tttaggtcta cgagagacca 120
atagcttgtc agcccattgc atatttctga gtccagctcc tagcagtcga ttcgtacttc 180
acgcgatcag tcttgtacaa gtgagcaatc tctgggacca acggatcgtc aggggtttggg 240
tccgtcagaa gggaacaaat tgagaggagg accttagaaa ctgtcagtgc agggctccat 300
tgctccttca agatatcaag acagatgctc ccgttgctgt tgatattcgg atggtaaa 358

<210> 9292
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G1

<400> 9292

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ggttggccac atacatcatc caaaaaactt tattattgaa ttacaactaa taagcaatct 120
aaaagagggc accaccaatg atgtgttgtt ggtaggaggc cgctgggtct gtcaaagcaa 180
gttgacaaa gggcaacaat tggtgtagt gtaagagggt tgcgggggta gccgcaaact 240
gctggtagaa aggcagcaac tggtgctgtg tcaagaagga agcacgggtt gctgcagcta 300
gctggctaaa tggtagtagt atttgctgct gcaaataagc agcgggggttc agtgcggcc 360
attggttaaa tggaagaagt tggtgttgct gagagtaggc agtagctagc tggcttaatg 420
gtaatagttg ttgctgc 437

<210> 9293

<211> 250
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G10

<400> 9293

gaaaagaata taaaatagtt tttatgtaaa tgactgacta aataataatt tagaggatgc 60
tcttagatga tttcgtctat ctgttggtgtt cgctgcaatc aagatcatgt atcgaccaac 120
aacatgctaa tccttactta cagataagga ggatagattt tgcagaaacc aaacagctta 180
aatctcctaa cctagctaaa cccacagacc cactgacgaa cattcaatcc cgagagcacc 240
aaaaccggcg 250

<210> 9294
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G12

<400> 9294

aaaaatgttc tttcttattt ttggggagcc acaaacatca gataaaaaac tttatttttg 60
aactttaact cataaaaaat ttaaaagagg gcaccaccaa tgatggggttg ttggtagaac 120
actgctgggt ttgtcaaac aagttggttg aatggcaaca attggtgcag ttgtaaaagg 180
gtgccaacgt taggcgcaac cggctggtag aacggcaaca actgggggttg tgtcaaaaag 240
gtaacagggc tcacaccaac tagctggctg aatgggagta gttgttgctt ctgttaataa 300
accggaaagt tcaaagcctc tagttggttg aatggaaaaa attccttggg gttggcagca 360
agtccttggc tgaatgggaa ttttggtgtt tccaataaaa aacaga 406

<210> 9295
<211> 538
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G2

<400> 9295

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cattatcgag tacatctcat atgtaatcta aaagaggcac caccaacgat gggttgctgc 120
 caccgacaagg cagggttcat caaagagaac tggttgtatg gcagcaattg ttgctgctgt 180
 aggaaggcag cgaccaatgg gttagccacc gctagtggat taagtaactg ttgtcgctgt 240
 tgtaggtacg cagcagagtt cgacacagtc agttgggtga atggaagtag ttgttgcaag 300
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 tgttgttgca acaactgttg ttgcaggtat gtaggtgcat tgcccatagc gagcgggcta 420
 gatgaaagaa gttgttgctg ttgtaggtag gcgatagggt tcaccatggc tagttgactg 480
 agcgctggta gaaactgttg caactgttgt tgttgttggt atgcagctac ctttgcca 538

<210> 9296

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G6

<400> 9296

ggttggtctc tttctttttt caaaaaactt ttttttgggt ttttctcttt tttttatttt 60
 tgaagagggc cccccctatt ttgggggggg ggccggccgg ctccccaaaa tgtttttggg 120
 ggggtggcccc cgggcaacaa ttgtaaaagg gggccccccc ctgcgggggt tgccggaaac 180
 gggctgtgga tggctccaaa cggggggggc ccagggaaaa aaccgggctt gctggaaaaa 240
 gggggggggg tggc 254

<210> 9297

<211> 524

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-G8

<400> 9297

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 cgacactagt aaaagggcaa actcttccat aggcaaattc aagggtctaa cagttctgtc 120
 tccaggcaag cacactcact tgaagcattt cgcgtcaagc aaggcctcgc cctcaaaggg 180
 ctcttggtcc tcaatcatcg cattgacacg ctcttctgtg gcctcatcag agatgtccac 240

cttgggtccac tcgtagagct ccatgtcata gacctcgctcc attacaaact tgggaacatc 300
ctggccacgg aagagccaaa ggcccttcag cttgaagggt ggctcagagc ctatcacgag 360
catcttccca aaggcgact tgcggcacag gtccatccgc tgcaggaatc caccaacctt 420
gttcaggggc acaaaggaga cggngttctc atcattgtac ttgtagtcac agaaccacaa 480
agagtagccc tctgggtcgt acatgtccca aaaacctttg atgg 524

<210> 9298

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-G9

<400> 9298

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ccttgcaggc caatagcaca ttagaatttg gaaatgtaac ttcttatttc taggaggcca 120
catacatcag ccaaaaaact tcattattga attacaacta ataagcaatc taaaagatgg 180
caccgccaat gatgtgttgt tggtagaagg ctgctggggt tgtcaaagca agttggacaa 240
agggcagcaa ctgttgcagt tgtaagaggg ttgctggggt agccacaaac tgctggtaga 300
acggaagcaa ttgttgttgt ttcaaaaagg aagtggggct tgtttagtagt agctggccaa 360
atggtagtag tatttgcctgc tggaaataag cagagggggt cagtgcggcc aattggttaa 420
atggaagaaa ttgttgcctgc tgagagtagg cagtagctag ctggctgaat ggtagtagtt 480
gttgttgttg taaataagca gcagggttca gtgtagacag ttggttgaat ggaa 534

<210> 9299

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-Q1-N6-H10

<400> 9299

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ttgggtgtga cgtgcctagt tgctaatact ctgaaagaaa agagggggcc catttccttg 120
ggcagggtcaa cagatactgg gaccttgctg tcgttaaaga ttggccacct cccgtctttg 180

aggacatgag ctacgtagtg cccccagtgg gtagaggggc ccatttgggt cacgaacgcc 240
atcagcttgt atttgccact tccatttggga atatttgtgt catcagcatt tacattgggt 300
gtggaagaat cagcaaatgc tgaggtagat gcttcggggg ggctgaaaat ccagtctgta 360
gctttctcga ttttaccact agaagctttt agggccttta tggcaatgtc tttctgggat 420
cccaaggaga tgagagtttt gaacacttgt tttgt 455

<210> 9300

<211> 152

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H11

<400> 9300

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anaaaaaaan ttttgnnggc cggtttgctg gtgagggggc ccagcccaca aaaaaaaaaa 120

aaaaaaaaaa gaangggggg gggagggggg gg 152

<210> 9301

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H5

<400> 9301

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nggggggggg ggggggngng ggggggnggg gggggggggg gggggnnngg gnggggnggg 120

ggggggnngn ggnngggggn gggggggggg gggggggggn ngnnnnnggn nggnggnggn 180

gggggggggg gggggggggg ggggggnggg gggggggggg gggggggggg gggggggggg 240

gggggggggg ggnngggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

ggnngggggg gggggggggg gggggggggg gggggggggg ggggnngggg gggggggggg 360

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 420

ggnngggngg gggggggggg gggggggggg gggggggggg gggggggggg gggggggngg 480

ggngggggggg gggngggggg gggnnnnnggg gggggggngg nggggggggg ggggggngg 540

gggggggggg gggggggggg gggggggggg ggggggnggg ggggggg 587

<210> 9302

<211> 269

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-Q1-N6-H7

<400> 9302

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acaagggggc ccgagggcca ngannacgcc aggggggggg acacgaacnc ancagggggca 120

gccagcagca gggggggggc ggacngaanc agggggaacn cacgcgccgg gacgccgggg 180

ggcaccagc nncncggga acgggcagag gcgnnaagc cncgcgccgg ggccggcgca 240

nccggcagg gcncaggccc ggcgacaaa 269

<210> 9303

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A1

<400> 9303

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nnnnnnnnnn nnnnnggggg gggggggggg gggggggnnn nnnnnnnnnn nnnnnngnnn 180

nnngnnnggg gggggnnngg gggggggggg gggggggggg gggggggggg gggggggggg 240

ggggcggggg ggnggggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

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gggggggggg gggagggggg gggagggggg gggggggggg gggggggggg gggggngggg 420

gggggggggg gggggagggg gggagggggg gggggggggg ggaggggggg gggggggggg 480

ggggggggag gggggggggg gggaggaggg gggggggggg gggggggggg gggggggggg 540

gggggggggg gggggggggg g

561

<210> 9304

<211> 458

<212> DNA

<213> Zea mays.

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A11

<400> 9304

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ccccccccc cccccaaaa cggggnccnc cccccggcg gggcgggcg gggggggcg 180

cggcgggggg gggggggggg ggcggcgggg gcgggggggg gggnggggg gcggcgggg 240

ggcgggcggc gggggggggg gggggggggg gggggggggg gggggggaag ggnnggggg 300

gggggggggg gggggggggg gggggggcg gggggggggg gggcgggcg gcggggggg 360

ggcggggagg gcgggngggg ggggggggag gcgggggggg cggggggggg ggggggggg 420

ccgggggggg gggggggggc cggggggcg gggggggg 458

<210> 9305

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-A2

<400> 9305

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gggggggggg gggngngngg ggggnnnggg gggggggggg ggnnnnnnnn ngggggggg 180

gggggggggg ngnnnnnnnn nnnnnngnnn ngnnnggggg gggggggggg ggggggggg 240

ggggggggng gggggggggg gggggggggg gggggggggg gggggggggg ggggggggg 300

ggggggggaag gggggggggg gggggggggg gngggggggg gggggggggg gggggggng 360

nggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggg 420

gggggggggg gggggggggg gggggggggg gggggggggg ggaggggggg gggggggagg 480
 gggggngggg ggaggggggg gggggggggg aggggggggg ggaggggggg gggggggagg 540
 agganggggg gggggaagg gg 562

<210> 9306
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-A3
 <400> 9306

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 gggggggggg gggggggggg gggggggggg gggggggggg gngggggggg gggggggggg 180
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 240
 nggggggggg gggggggggg gggggggggg gggggggggg gggggggggg nngngggggg 300
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 360
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 ggggggnggg gggggg 436

<210> 9307
 <211> 62
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-A4
 <400> 9307

cccccccccc ccaccaaca aagaggacaa ctcaaaaaaa aaaaaagaag aacctttctc 60
 tt 62

<210> 9308
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B1

<400> 9308

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gcgccttttg gttattctcc gcctctggcc cctttttctc ccgggtttcc tcgttttttt 120
tttttttttt ttttgggttt tttccttttt tttttttttt ctctgttccc tgggtgtttt 180
tgtttttttt tgcttggtct ttcttttttt cttttttgtt gttgtgggtt ttttttttgt 240
ttcttttttt ttcttttttt tttttttttt tttgtttttc ttgtttgtgg tttcgcccc 300
gccccctttt tttttttttt tttttttttt tt 332

<210> 9309

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B11

<400> 9309

ttgggtcctct gcagcggccg ccctgggttg tgggggtgtgt ttttaatttt ttttttcaca 60
tttaaaatct gggaaatgta acttcttatt tctggttggc cccatacatc actcccaaaa 120
actttattat tgaattccaa ctaataagcc ttctaaaaga ggccccacca atgatgtgtg 180
gtgggtggga ggccgctcgg tctgtcaaag caagttggac aatgggcaac aattgttgct 240
gttgtccgag ggttgcgggg ttagccgcta actgctgggt ggtaggctgc aactgttgct 300
gtgtcttgat ggtagcacgg tttgctgctg cttgctggcc ttttggtcgt tgtctttgct 360
gtgcctctt tgccgcgggg tt 382

<210> 9310

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B3

<400> 9310

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aggacctggc tcaccgatgc aatggaacac aaaacactct tacactattc acattacttg 120

caccacaacc gattattata gtagcattga ccaacagaac cgattatcag tagcgacgct 180
gacaacataa caggtgctat gcgctgctcg ctgggggcta catcgaggca ttaacaaagg 240
cggttacatc tctaggccat aacaagctct gcgaggggtga gaacatgtag aagtatctta 300
cacatctcag gaaggggaat ggccattagc ccattagatc aggaagaacg gcgaggcaaa 360
acgggaggcc gagttgcttc tgcgcattgt gaagccccgg aggcgctcca gattcatcac 420
gtcagagtgt tcaacaaaga gatttaccct tggggcataa cgtctgacga accactccga 480
ggtggttgag ttgga 495

<210> 9311

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B5

<400> 9311

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ttgcacaaat aaattattga gcatcatata tgtaccggtc cattaatttg atgtccatac 120
ctatgacggt tgctcaaacc ggacatacat aatgtcagca ccaaagctat cggaagcacc 180
aaaaagatcg gctagatctc ctatgaagaa tgaagcgcat ggtgttcttc cacagcttag 240
cgctttgtac tgcttgacg agcggggcca aaatagttcg tcaccagacc cataacagca 300
aacatgaagg ccatagaaag ctgcttcaga tcgctctcaa agttcttcat gtttgccaac 360
gactgagcgc agaagatgat tgcgatccac gagcacacct tgtagcggag catgacgccg 420
aggacgccga agaccacggc gaggaagcct gcatagtcga tgggtaggtc ctggggcgac 480
agcttc 486

<210> 9312

<211> 212

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B6

<400> 9312

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tttttgtttc caacccccct ttatggcatt gctggggggg ggatcttttt tgttttttga 120
 ggggccccctg ccttacattg gtggggggggg tttttccggg ggtttttttg gcaccacccc 180
 tcccgttggt tgggggggttc cccccccctc ac 212

<210> 9313

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-B7

<400> 9313

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 gggcaccatt gtcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt 120
 tgctgcaagg cagggttcat caaagagaac tggttgtatg gcagcaattg ttgttgctgc 180
 tgcaggaagg tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc 240
 tgttgtaggt acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt 300
 aagtaggcag cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgctgc 360
 aactgttggt gtaggtacgt aggtgcattg cccaccgcga gcgggctaga tgaaagtagt 420
 tgtaggtaga cggcagggtt caccatggct agttgactga gcaactggcat aaactgttgc 480
 agctgttggt gttgctggta tgcagctacc ttcg 514

<210> 9314

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-B8

<400> 9314

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 attattgaat tacaactaat aagcaatcta aaaggggcac caccaatgat gtgttggttg 120
 taggaggccg ctcggtctgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
 aagaggggtg cgggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 240

aagaaggaag cacggtttgc tgcagctagc tggctaaatg gtagtagtat ttgctgctgc 300
aaataagcag cgggggttcag tgcggccaat tggttaaatg gaagaagttg ttgttgctga 360
gagtaggcag tagctagctg gctgaatggc aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag acagttgggt gaatggaaga aattgttggt gctgagagtt gggagaaagg 480
tttgccagag ctacttgggt tgatcacagg tagca 515

<210> 9315

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-B9

<400> 9315

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aaatttatta ttacagttta aagcctaaaa aatctagaag atggtaccac caatgggtggg 120
ctgatgcaat aagggtgtag gattcgtcaa agcgagttgg ctaaattggca gcaattgctg 180
ttgttgtaag aaggcgacaa tgtttgccac attctgtggg tagaatggca gcaattgttg 240
ttgttgcaag aaggcgtaa tgtttccac aacctgtggg taaaattggca gcaattgttg 300
ttgttgcaag aaagcaccaa tgttttgcaa caactttgtt gacggaatgg catcaactgt 360
ttgcctc 367

<210> 9316

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-C1

<400> 9316

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gnnggggggg ggggggggnn gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggggn gggggggggg ggggggnngg gggggggggg gggggggggg gggggggggg 180
ngngnggggg ggggggaggg gggggggggg gggggggggg gggggggggg gggggggggg 240
gggggggggg gggagggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

gggggggggg ggggggggga gggggggggg gggggggggg gggggggggg gggggggggg 360
 gggggggggg gagggggggg ggaggggggc gcgggggggg gggggggggg gggggggggg 420
 gaagaggggg gggagggggg gaggggg 447

<210> 9317
 <211> 538
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-C5
 <400> 9317

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 tcgtcttact gcattattac atatatagat agagagggat ggatagagga gatttcccaa 120
 atatcatgaa tcagtagtag ggcggaatgg cagcggagac gccacagggg ttggtgcggg 180
 agctgggcag ctggtactgg tactggtaga gtccacccat ggccggcatg ttctgcgcca 240
 tcatcatggc catgggggtg agaccctggg ctgccagcag ctgctgctgc tgctgcatca 300
 gagctggctc gtacaggctg ctgctggcgg cagcggcacg ctcaagctgc atcatcatct 360
 gcagctgctg cgcgacggac tgcacgtcca tcactctcat ctgctgctgg cagcactgtt 420
 gccggagcgg ctggtacatg gcgctcgtct gccacacccc ggcgtagtag ggcccgccg 480
 ccagcgggct gcaactgcggc tgcctcaggt actccgcgta ggggtacagc ccgccggc 538

<210> 9318
 <211> 519
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-C6
 <400> 9318

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 caagagggct agctagagca gcgttgtgtc gacacgccac accatgattt gagaacgggt 180
 ggaggagtaa tcgtcgtctg cagggatgat ggccctcggt ttgttggtact ccgccatcac 240
 caacctttgc acgaacttga tcgaatcctg cgactggctg ggctcggatg tggggaagcg 300

gtccacctg gaaggggtccc agaggagggtc actggcggaag gcaaagccgt ggacggagtc 360
 gtcgaccgtc actggggggcg ctgccgctgc cgctgccgcc aataatgtgg agtcggaggc 420
 ggagaaccat gcacatgctg tggatgctgc gctgggtgctg gtgggtggtg ttgcagacga 480
 cgacggggccc ttccacggcc accctcttct cctgctccc 519

<210> 9319

<211> 508

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-C7

<400> 9319

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 cccatttttcg agtccatctc atttgtaatc taaaaatggc cctccaacg atgggttgct 120
 gcctcgccaa gacaggattc atcaaagaga actgggttgtt tggcagcaat tgttgctgct 180
 gtaggaaggc ggcgaccaat ggggttagcca ctaccaatgg attaagtaac tgttgctgct 240
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 attgttggtt caggtttgta ggtgcattgc ccacagcgag cgggctagat gaaagcagtt 420
 gttgttggtt tacgtaggcg gcaggggttca ccatggctag ttgactgagc gttggcagaa 480
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<210> 9320

<211> 519

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-D10

<400> 9320

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 tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttggt 120
 ggtagaacac tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180

gtaagagggt gccagcgta ggcgcaacgt gctggtagaa cggcaacaac tgtggttggtg 240
 tcaagaaggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
 gtaaataagc aggagagttc aatgctgcta gttggttgaa tggaagaaat tgctgggggt 360
 aggcagcagg tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca 420
 atgaacctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
 ctagcacaag ttgttgtagt tggttggtccc tgatgtttt 519

<210> 9321
 <211> 355
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-D2

<400> 9321
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 gacttttact cattagaaat cttaaagagg gcccccccaa tgatggggtg ttgggggggac 120
 gctgctgggt ttgtcaaagc aagttggttg aatggccgca attgttgccg ttgtcagagg 180
 gtgcccgcgt ttggcgccgc gtgctggttg aacggcccca actgtggttg tttcaagaag 240
 gtggccgggc tctccccgc ttgctggctg cntggctcggg ggtgggtgctg ctgtttattc 300
 gccggggagt tcaatgctgc ccgttggttg gttggtataa attgctgggg gttgg 355

<210> 9322
 <211> 548
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-D3

<400> 9322
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 ccattaccac tgtgtttgct gaaccgaacg ccacctaaat ggaaagcatt atccaagcca 120
 accaaacaaa tggcactttc agttaaaccc tgacaaataa cgccaccagt tgatttcatt 180
 tgccctgacc catattagct gtctcactac gctcaaacaa agtgcagggt tacacaagca 240
 ttgtcaggcc acgctaacag ccataataat taacaaaatc ctcaccgagc acagcacata 300

tcctgagaaa gttgcaaaac accaaattta tctcttctca cgttaagaga agcaggacct 360
aatcgccctt gcgacggaag gagcaccctt cgggtgagcct ggccttccca ccggttggtt 420
ggcagagaac agtttggcag cctgggcaca caaccacagt ctgggagtgg ctgaacacag 480
tggttatgct gaaacagccc tggcacttga catccatgaa gaaggagtgt ggggactgga 540
ctagccgc 548

<210> 9323
<211> 551
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-088-Q1-N6-D6

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gaagggtcccc gaactcccgga tgctcgatcg ccttcgtcag aaggggagcgg gcccatccta 120
ccagactttc atctcccaat ggctgagaag catcaacagg ttttcttctt gtgatcagct 180
ccaaaagaac aacccccaaaa gaatatacat cagactttgc tggttaacttt cctgacaatg 240
catactctgg agccaaatac ccaaagtgtc ccatgacacg tgtggtaaca tgtgtattgg 300
aatcagccgc taaccttgca agtccaaaat cagaaacctg agcttcaaag ttgttgtcca 360
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ggtaaccaat ccttcgggct gctccagctg caatcttaac ccttggtccgc caatccagt 480
atgtttcact tacatggagg tggtaatata gtgtgttgtt gggaacaaaa tcataaaca 540
gcattcgtg g 551

<210> 9324
<211> 490
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-D8

<400> 9324
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cctatgggta gctagtcagc ggctccatta cattattact acagtccata gtttcctcag 180
tggtagacac cgccggcagc tgcgttgcaa gggcagggac ctggctgctg cagctgcaga 240
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tgcggctgct gctgcaggaa ggactgctgg accacaccgt atgtcgctg gtaccggtgc 360
agcggctcca cctgcctgat ctggtggcag cactgctgct gcagcgctg gcactgtggc 420
gagccgtagg gcgttccgc cgggctgcac tgggtgctca ggaactcgac gcactggccc 480
aggaacgggc 490

<210> 9325

<211> 516

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-E10

<400> 9325

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tacttcgttg ccgttcatgg agtggtgagt aaatgtaaac ttaaagctt tcgcacagct 180
caaaactacca agagttcctc caggcaaaac caccagctac accgtcaact gcgacctata 240
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gtagataaac agtccaacaa aagagacaac agacacaagt gaccggtatt tcatcacaag 360
cctcttagcc cattcaaact tcttctctgg aggtctctca gcgagaatat ccagtgggaa 420
gatgggagtt gagtatgcct cctgaagagc tgtctttgtg ggaacacggt atgtaatgat 480
agctggtgaa ccctggaacc tgcctgtgtg tttggt 516

<210> 9326

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-E11

<400> 9326

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 gaggaaggc caattaacga aaaatacagc ctcaaaaccc atgatccatc attgcaaaac 180
 ccagttaatc atccttctat tcctaaatac ctgacacgcc cgaacacaga acatgacttt 240
 taccaaacac aagcaacttg ctaagcctct agctcctttg aactcttgga aacaagctca 300
 atgggacatt aaaattttct taaacaaccc accacattct taggttcaac ccagacacca 360
 ctgtcaacgg gttgggctta cgaaaaattt aacagccctt tttacccgcc aacttttcaa 420
 tttgtgtttt cgggtcctgt ggggcgacat cattttcttt ctgcgccctt ttctctcctg 480
 cttt 484

<210> 9327
 <211> 385
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-E2
 <400> 9327

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 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120
 gctgctgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tttcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg cttgtaataa 300
 gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gttggcagca 360
 ggtagctggc tgaatgggtc ttgtt 385

<210> 9328
 <211> 548
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-E4
 <400> 9328

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gaaacttctc tatacaccca gatatatgat atatccctgc acctacaata caatcctcct 120
 ctgctgtccc tctcaaaactc ttctttattc acagccaatt ttaaccacca atcccaagcc 180
 taaaacgctc cgaatagacc cagcagacca cccgtcacct tcaatccaat ccctttcagc 240
 accaacgacc gacaccgaca gaccatgatt tcacaaaatt ctgtggagac atgcagaacc 300
 aactatcctt ccgttccgtg ctcttgaggc atgcagccat caaccaacag tatttgctaa 360
 gcatgacaat gaccacgtac actggtgaat ctggcaagtg gtagccatgg ccggaggggc 420
 gagagcagaa ccaactatcc ttccgttccg tgctttctgag attctttcta tcaatgcagc 480
 ggagggggcg gcggcgatcc atattgaact gggatatactg atggccatgg atggtgctgc 540
 tgtggggg 548

<210> 9329
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-E6

 <400> 9329

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 gggggggaaa accccggggg gtttttaaaaa aaaagggggg gaaaggggaa aaaatggggg 180
 gggggtgttg gttggggggg gggggcccc gggggggggt ttttttttaa aaaaaaacc 240
 tttggggggg gggggttttt tggggggggc ataaaaacct gggggggggg ggggtgcccc 300
 cccggggaaa tttggggggg ggggtaattt tttttttttt ggggataaat tttttggggg 360
 gtatttnccc cgcccctggg gtt 383

<210> 9330
 <211> 527
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-088-Q1-N6-E7

 <400> 9330

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 gataaaagtg cacaggctaa cagagctcaa cagttcacac aataacagca acgaccacaa 120
 acaaaacttg taatgatgaa aactaggtat tgctaaagca ggcgaggat cgcattcattt 180
 cttcttggca gcagccttgg tcaccttggc gccggttggg tccttcttct ccacactctt 240
 gataactcca acagcaaccg tctgcctcat gtcacggaca gcaaactac caaggggagg 300
 atacgtgag aatgtctcca ccaccatggg cttggtgggt atcatcttca ccataccagc 360
 atcacggtt ttcaggaact ttggctcctt ctcaagctcc ttgccagacc gcctgtcgat 420
 cttggtaatg agctcagcaa acttgacagc gatgtgggag gtgtggcagt ccagcacagg 480
 ggcatagccg ttgccaatct gcccagggtg gttcatgatg atgacct 527

<210> 9331
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-088-Q1-N6-F2

 <400> 9331

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 ctagctagct agccagcggc tatactacag cacatagttt cttcagtggg ggacaccgcc 180
 ggcagcagcg taggggcatg gagtcggctg ctgcaggatg gactggagga ccaagccgaa 240
 gatgccttgg taccggtgct gcggctccac ctgcctgagc tgctggcaac actgctgccg 300
 caacgactgg cactgaggcg agcagttggg cgtcgccgctc gggctgcact gatgcctcag 360
 aaactcg 367

<210> 9332
 <211> 509
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-F4

 <400> 9332

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 tgctggggttt gtcaaagcaa gttggacaaa gggcagcaac tgttgcagtt gtaagagggt 180
 tgcgggggtta gccacaaact gctggtnгаа cggaagcact tgttgttggtg tcaagaagga 240
 agcgggggctt gttgtagctt gctggccaaa tggtngtagt atttgctgct ggagataagc 300
 agagggggttc agtgcgggcca attggttnaa tggaagaaat tgttgctgct gagagtnggc 360
 agttgctagc tggctgaatg gtagtagttg ttgttgctgc caataagccg cagggttcag 420
 tttngacagt tggttggttg gaagaaattg ttgttgctgt gagttggggg aaaggtttgc 480
 cagagctact tggctggtca ctggtagca 509

<210> 9333
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-F6
 <400> 9333

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 atgcaaactc gccacacatg tgggagcaaa tgaagggggc ataacttaag actaggtngc 180
 gatgatgaac atggcgaacc ctaaaagcac ttgacgaact tggcagaaac ctagaagcac 240
 ttctgtgaa caattgccgg gccagactca tegtactct cct 283

<210> 9334
 <211> 519
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-F7
 <400> 9334

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 tgctggggttt gtcaaagcag ggtggttgaa tggcagcaat tgttgcagtt gtaagagggt 180

gccagcggtta ggcgcagcgt gctggtagaa cggcaacaac tgtggttgta tcaagaaggt 240
 agcaggggtc acaccagcta gctggctgaa tggtagtagt tggtgctgct gtaaataagc 300
 aggagagttc aatgctgcca gttggttgaa tggaagaaat tgctgggggt aggcagcagg 360
 tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca atgcagctag 420
 ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg ctagcacaag 480
 ttgttgtagt tggttgccc tgatgttttg tgccaataa 519

<210> 9335

<211> 499

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-F8

<400> 9335

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 cttoctctcg gcaggggcag gacgccagga ccccgcgcaa anacaggggtc ctacggttct 120
 ttttttttta catgacattt gagtgacaac tacatgacgg agcagggcgtt ggggttctcg 180
 tcgctgaaga tctgcggcgc catgggctgc tgctggtgca ggtgggtggtg cggcggcgcg 240
 tagaacggcg gcgggtaggc cggctggtag gcgtacgggt acccggagg cggcgggtag 300
 gccggcgggt ggtagtacct tccagcgaac gggaaccgcg ggtagtgcac gtacaggctg 360
 gcggccgggt ccttgctctt gtcgccggcc tegtcttct tgctgcgctc tccgtcgccg 420
 ccggccttct tctctcatt cttctcgccg ccggccttct tctcttctc ctccttgccg 480
 gccttcttct tctctgctt 499

<210> 9336

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-F9

<400> 9336

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 gtacaaagac ggcaccccca caccaccaag caaatgaatg aatcagacag acagacaatc 120

aaagacacac gcgcagtaca gggctctgca acgacgacga accggctggc tagtatttgt 180
 gctggaagtc ctcggtggcg ggcgtgggct ggtacccgac gccgtgccgg ttgttgggga 240
 acaccatgaa gacgtagccc gcgacggcgc cgacgacggg cgggagcacg gccatcatgg 300
 tgggctcggc gagctccagc gccgggtaga ggcaggcgac ggtgtcggcg tcgaggagcg 360
 cgaggggtggc gaagacgagc agcgagagcg cggcgtgcgc gaagtcgccg gcgcggaggc 420
 ggtacgccga caggtcccg ggcggcggcg cggggtcggg cgtgaagggtg cgcaggcccc 480
 gccgcgtcac cacgccgtag tacacgcgcc cgtccgcgcc cacgtagctg tc 532

<210> 9337
 <211> 364
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-G11

 <400> 9337

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 tttttttttt tttttttttt ttgtgggggg gggggccggg cccctttctt tttttccct 180
 ccccnctttt ggggggcccgc ctggggcttt tttttctccc cccctttccc tcctnttccc 240
 ttgccccccc cttggggcggg gcccctcttt cctgggggcc cccccccgg gtgggctccg 300
 cccccccgc tggggggggc ttcttccctt ttccccgttc cctcccgggg gggggggggc 360
 ccct 364

<210> 9338
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-G2

 <400> 9338

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ttaaaggcca aaatgggggg gggggggggg ggttttcccc caaaaaaatt tttttggggg 180
 ggggggacccc ccgggggggcc cggggggggg gggggtgggt gtttcgggcc cccccctccc 240
 gcggggggggg ggggtttttt ggggggcca aaccccccg ncgggggggt ttttgggggt 300
 ttttcgcggg gggggctggg ggcccaacc caaatccccg ggggcccggg ggggggggtc 360
 cccccgggg ggtgggggg 379

<210> 9339
 <211> 503
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-G5
 <400> 9339

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 gtttacaatc aaagatggca gacaactcga ccgggtgcat tgcaacgtgc aaggatgcag 120
 attagtggcc atcactttga tgcagatgag cgagcttgcc gacgacgata tgcacggggc 180
 cttctactgg ttacatgcat atgtgattcg agccttcata ggatgacact cggcaaacag 240
 aggcgcaatg catgtcgaca ggcgaactca cccgggctta tgaattgaaa cctcatcaac 300
 cccttaatcc atatggattg ggatagaact gaataagccc tagatgggaa ttaatccacc 360
 atcttgctcg ttgccggcaa tcaagccatg ccacctctta tcttgcatc aattcggagt 420
 tggttgaaca agagatatgg caagttttca ggttttcagg tgaactgaac tgttcatac 480
 ctgcatgccc cgggctcttt aaa 503

<210> 9340
 <211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-088-Q1-N6-G6
 <400> 9340

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 atgatggggt gttggtagaa cactgttggg tttgtcaaag caagttgggt gaatggcacc 120
 aattgttgca gttgtaagag ggtgccagcg tttggctttg cgtgcgggtg gaacggcaac 180

aactgttggt gtgtcaaaaa ggcagcaggg ctacatcac ctagctggct gaatggtagt 240
 agttgttgct gctgtaaata agccgcagag tccaatgctc ctagttgggt gaatggaaaa 300
 aattgctggg ggtggggccgc aactacctgg ctgattgggt attggtgttg ccaataagcc 360
 gccgttttta ttgcaccag ttggttgaat ggaaaaaacc gatgttgctg aaagttttct 420
 ccaaggggtt tttccccaat ttgtttgttt ttgttgtgcc cttttttttt gtgcccc 477

<210> 9341

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-G8

<400> 9341

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 gtcaatttgg caacttcac cttccataat caatatatct acagctacat aatgttctga 120
 cccaaggtgg cgggaaagag gaaaaatttc aggcacttgt catgatgagt aacttcaga 180
 tgaacagtta ggtatgggat tatttgggtt ctctgatagt agcccaatgc tgccctcaaa 240
 cttggcgccc gcttgcgtgt gtctcgatgc atccacagga gaaccttaac aggctagagc 300
 tgctggaagc aaaatggctt tcactatcac attttgttgg accccataaa tttgtttttt 360
 ctctcagcag gtttcagaat ttgggatgag cacatcaaag tttcatcggc actcatcatt 420
 gccccagcat tatcaaattc accacaataa ttggggggccg cgaatatggg gacaagctgt 480
 ttgtccgcca aaaatttatt ccca 504

<210> 9342

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-H10

<400> 9342

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 aactttatta ttgaattaca actaataagc aatctaaaag aggcaccacc aatgatgtgt 120
 tgttggtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattgttgt 180

agttgtaaga ggggtgctggg gttagccgca aactgctggt tgaaaggcag caactgttgc 240
 tgtgtcaaga aggaagcacg gtttgctgca gcttgctggc tcaatggctg tagtatttgc 300
 tgctgcaaata aagcagcggg gttcagtgcg gccattggt taaatggaag aagttgttgt 360

<210> 9343
 <211> 82
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-H11

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 nnggggttttt tttttttttt tt 82

<210> 9344
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-088-Q1-N6-H2

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 tttttttttt gggggggggc ccctttgggg gggggggggg gtttttttgt tttttttttt 180
 tttgtttttt ttaggggggg gccccccctt ttgggggtgg ggggggctct ttttgtggtt 240
 tgtcgtcggg ggggggtgtg tggggccgct tttggggctt tttgtggggg ggtcccgcgg 300
 ggggggtgtgt tgggggtggg ctgggtcccc tgtttttttt t 341

<210> 9345
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-088-Q1-N6-H4

<400> 9345

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 cactgttggg tttgtcaaag caagtgggtt ggctggccgc aattgttgca gttgttagag 180
 ggtgcccgcg tttggccttg cgtgccggtt ggncggcgcc cactgttggt gtgtcccga 240
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<210> 9346

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-088-Q1-N6-H8

<400> 9346

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 ttgggceccc cccctttttt tttttttccc tttttcttcc cccccgtgg gggggggggg 180
 cccctttttt ccccccttt tttcttttcc cccccctt tttcttttcc ccccccggt 240
 ttttttttgg ggggttgggg gggccccccc ccccttttgg gggggggggt tggccttttt 300
 ccttttcccc cccccccct cgttcccttt tggggceccc ccttctctcc ccgcgggggt 360
 gttttcgccc cccccggtt ttgggtgtcc cccctttttt tttttcccc 409

<210> 9347

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A10

<400> 9347

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 tacacacaat ttcaacctgg gattctaaag acttccgtat aaaaagctgg gcaaagctcg 120
 agtgggtactt ttactctcc cttctgtatt taccacgttg tgtaacacta tccaccagaa 180
 aacctttgcc tgttcccaag gcctgctctc taatggatcg ggtgggtattg tgtgatccca 240

cgctttggag gcagtttccg tagaatgaag agcaccagag ctgaaggcac tatctcaacc 300
 agcaggtaat agaagaagtt caggattgga tggttcagaa catcaagatc tgctgcttta 360
 tcaaacgcat taaggcacat catgacgcat ctgatcaaga aacaagaaaa gcatatggta 420
 gtcacatacc caacctcctg caatttcttt cgttttcttt ttgattctac aggaaaacgc 480
 tgcaacatca tgaacaacct tcctccatag agaacaaacc cgagggtgc aaatagtgat 540
 acacctgcaa agaacatctt tgacaagatg accataattc gaactggttt ccaccacaaa 600
 accaaccat 609

<210> 9348
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-N6-A11
 <400> 9348

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 taaaaaacat tttaaaaggg ggcccccca tttttttttt tttggggggg ggcccttttt 180
 tttttaaaaa aagtttgaaa aaagggcaaa attttttttt ttttaaaaag ggttgggggg 240
 ttaccccaaa ctttttttta aaaagggcaa actttttttt ttttaaaaaa aaaaaacggg 300
 ttttttcaaa attgggggta aaaaggng ggttttttgt ggcaaaaaaa aaccgggggg 360
 ttttaaggcg ccaatttggt aaaagaaaaa attttttttt ttttaaaaaa ggccancccc 420
 cccgggcgaa agggaaaaag gggggggc 448

<210> 9349
 <211> 582
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-A2
 <400> 9349

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gctgctgggt ttgtcaaagc aagttggttg aatggcagca attggtgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggttag aacggcaaca actgtggttg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
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 ggtagctggc tgaatggttag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
 agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttgta gttgttgc cctgatgttt tgtgccaata aatgcaccaa aggtaactga 540
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<210> 9350

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-A6

<400> 9350

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 gggggggccc cccccccca tggggggggg gtttggggcc gggaaaaaaa accccccccc 180
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 gaaagggggg gaaccctttt tgaaaatggg ggggaaaaat tttgggggca aaacccccca 300
 aaaaaaaaa aaaattgggg ggggaaaacc cgggggattt ttgggggggt aaaaacgggg 360
 ggggaaaaag ggcttcccca agggggggcc cggggcccta aaaaaaaaaa aaaaattttt 420
 aaaattgggc ccccggtta aaaagtaaag ggcccccc 459

<210> 9351

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B1

<400> 9351

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ttgacatgga acaggcaacg atcagggtttt gacatgctca aatgttggtg aacttttctag 120
 aactgattaa tatcaatata catataggat catgattcat gaaaggcaag cgtgggaatc 180
 ataactaaca aggaagaaga atgatgaaat gggttgttta atccaccttt ggtcgctatc 240
 agcggcgtca gggctcgctt cgcaagcaga ttcttccttg tcgccaccgt tgagcttccc 300
 ctccagagca aaccactgc tcagcttgag ctgctctccg gactctagt ggcactcgac 360
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 gaggcggcgg ctctggagct aaatggcgtg ctgaagtctg gcagcctgct gctgctcctc 540
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<210> 9352

<211> 609

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B10

<400> 9352

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 ataggagcca ctgagggcag atcacaggat agcagtggca cacaagcccg acgacgccgc 180
 gccagtagag cgtctagtac tcgtcaccct cgtcgccgtc ctcacctcg tcaaactcag 240
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 cgccctctc cataacctca ccgacgtacc agtgcacgaa ggcgcgcttg gcgtacatga 360
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 tgcacacggc acgctgcacc ttggccaggt caccgccggg gacgacgctg ggaggctggt 480
 agttgattcc gcaattgaag ccagtcgggc accagtccac gaactggatg gtgcgcttgg 540
 tcttgattgt ggccacagca gcgttcacgt ccttgggaac cacatcacca cgggacatga 600
 ggcagcatg 609

<210> 9353
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B3

<400> 9353

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gcagtcacag gtcagttcc cgccaggctc cctgatgact agttatctgc agcgctactt  180
ctaaaacttg gttgcagacc ccatacgggg gacctccttt gccgcgcctc gtcgccttcc  240
acgatgccgc tctccggctt ccacatcacg tccttcagtc catttgagat gttgtggtag  300
aacttgtgga attcaagggg gtcgccgttg gacttgcgca gctcaaccat gtacagggaa  360
ggcgtgacct cgaaaacctc tgttgcaatg gccagctgac ctttccttcc agggttctcc  420
ccttgacagt tcagcttata gttgcgcttc tgaacgttga agcccatggg tcccgtgct  480
gcttcgatct tcgacagtat ctcatctgca ggaagccttg acgcaaacct tgtttctcgc  540
ttaacagaac ccgtttgctt ctccaagagc gtcccagat tgaggcccg agacgtagag  600
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<210> 9354
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B4

<400> 9354

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aagttggttg aatggcaaca attgttgacg ttgtaaaagg gtgccagcgt tagggccagc  180
gtgcaggtaa aacgacaaca actattgttg tgtcaaaaag gcagcagggc tcacattaac  240
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tagttggttg aatggaaaaa attgctgggg gtaacaaca actagttggc tgaatggtag  360
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452

<210> 9355

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-B6

<400> 9355

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agagtgatct aacgatgtga gacaaacatg tccaagttcg ttcataaaca tggcgctttt 180
acaattcatg gttcatggat acatgcggct ccgctaaagg tcttttaaac aacaggttta 240
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gtagtggttag tgcaactccc cgacattatc cccaaaaagc tttgtccaac cattagggcc 360
aacgtggtaa aactaacac aaccaccact tgctgcatca cggaatgttg ccccataaat 420
agcccgtcgc gctaattcgg gggcttccta aactgacatg ctgaagcggc aaccatcatc 480
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<210> 9356

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-B7

<400> 9356

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ctcctcagct gcgattctgg ggcaggttgc tgaaggtaaa tcttggtagg atcatttggg 300
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acacgcggtg ccatgttagc agcagactgg gcttcaaact cattgttagc cgcacagat 420
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ttgaaggtgt gaggttgagt acagggccct gttctgattg tctggaacga ctggttcaac 540
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caaca 605

<210> 9357

<211> 588

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-C10

<400> 9357

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gaccacggg ggttgcatc tctgcccag cagtttagagc agtaccaata cccaacatct 180
tgacaggact tcagttctga attggctgct gtggctgctg ctgagctgga gggccatcag 240
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tggtagtatg gcggtggtgc aggatagccg ccccttctgt ctgggttctg tgatgcctga 480
gcttgcccgg cttgctgcgg cctggtttg ccttcactgt catgtggttt tactatagca 540
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<210> 9358

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-C11

<400> 9358

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tcgcaatgtt cagagccatt tttttgaagc aaagacaaga aaataaaagg agcagacaca 120

tagctgttgt cacggataca tagtaaaata aggtacatgt ccagcgccaa attgtactta 180
aaggaagtga ctgaacatct aagcatatat actaataccg cagctactac acgcgtgcct 240
gcaggcacgc ccacgcaagc gtttcttcat ctccagaaca ttattcctga aacacggggg 300
cggaagaaag agttgaaggg atagaaattg caagtaccag aaagagccaa tctctgttac 360
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ctcagtagaa accagcagac atgggcatgt cctcgaagct ccaaaggctc atgttgctga 480
ccaggtcctg ggatccatca cagctcaaga gagtgtgat cgagtcgtct gaaccaccgt 540
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<210> 9359
<211> 510
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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aaatttttat ttgggggttg tttttttaat aaagaaaaaa aatnnntnt ggaattaaaa 180
ctaaaaaaaa aactaaaaag ggggccacc aaagattttt ttttggtagg agggtttttg 240
gtttttaaaa aaaagttgga aaaaaggaaa aaattttttt atttttaaaa aggttggggg 300
gttaacccaa aaattttttt aaaaaaggaa aaatttttgt tttgtaaaaa aaaaaaaaaa 360
aattggttaa actagcttgt taaaaggga gagtttttgt tttttaaaaa aaaaagggg 420
gtttaagggg ggaaattggt taaaagaaaa aaaatttttt ttttnaaaaa aagcaaaacc 480
tacctgggta aaaggga aaaaggggctg 510

<210> 9360
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-C4
<400> 9360

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 ggggggttta aaaaaaaaaa atgggtttttt gggaaaaatt tttttttttt taaaaaagga 180
 aaaaaaaaag ggtagggccc tttttgggaa aaaaaaaaat ttttgccttt tttggggggc 240
 ccaaaaaaat ttcaaaaaat ttttttttta aaaaaaaaaa tttttttaaa aaagagaaaa 300
 gggttttcca aaattttttt aaaaaaaatt gggaaaattt tttaaaaaaa tttttttgca 360
 aagtttttgg ggccatttcc caaaaaaaag gggtttaaaa aaaacatttt tttttttttt 420
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<210> 9361
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-C7
 <400> 9361

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 gggggggccc cttttttttg ccccccccca cttggggggg gggggggggc caccctttta 180
 ccggcaaagg ggtgcccggc caaaatttta aatgtggaca cacaggaagg gggggaaacc 240
 ccttattttg gagagaaacc cccccccccc ccgcggggg ggttctcttt gccccccct 300
 tgggggcccc cccttttttt tttttatggc ccccgggggg aaggggcccc cccccccatt 360
 tttgggaaaa aaaaactttc cttctaacc aggggccgac aaagggggcc agaagaggga 420
 ccaccccccc acttttattt tccgcggggg gggggg 456

<210> 9362
 <211> 602
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-C8
 <400> 9362

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gacaccagac catatgtata tgaaagggttc ccccggtaca ctctttattc atccttgaac 120
acaaaatcta gacgccgcct ctccacctcg ggtgtaaaac caatgagcca gacatgatct 180
cacaatgcc aactaaaaatc acaatatctg agtacagtta tgatcatcat attctattag 240
cccatatttc caagaagtcg ctccactgca gcatgaacat ttccagcggg agcggccaag 300
gctcggatgt tctcttgtgt gtcaaagaaa cccatttctt ggagctgagc taattgtgtg 360
gcgtacagtt cttctggcgg cacattagga gcatttggaa cacctaggcc accaccagca 420
ccaagcccgc tgaacatggt catcaagggtg ttgaggttga cattgcctgc accagagcct 480
gattgtgtcc gtcctgtcc agcttgttgt tggccaagtt gtgacatcaa agactgctgg 540
aatgaaatta attgctgcaa tgtttcaaga gatgttaact ggcgaagaaa ttctggattc 600
tg 602

<210> 9363
<211> 579
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-C9
<400> 9363

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actgctaggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc cagttgggtg aatggaagaa attgttgggg gtaggcaaca 360
ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
agttgggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
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<210> 9364
<211> 418

<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-D11
<400> 9364

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aaaggcgggt gtgttaaagg caaccttttg tttttgtgga aaaaggggaa aattttcccc 180
ccccctcggg gggagaaggg gccatttctt gtttgggtaa aaaaggcctt tatttttccc 240
caccctcggg ggtaaaaggg gccttttctt tgggcccccg tgggcccccc ggtttttccg 300
gcccgggtcc tgggagcttc ccatttttct ttttaaaggg gcattccaag gctgggggaa 360
aatgagcca acgccttttc ctgggggaaa attttttgcc ccccaatac ccccaaaa 418

<210> 9365
<211> 408
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-N6-D2
<400> 9365

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attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
gtagaacgcg ggggggtgtg tcaaagcaag ttggtagaat ggcagcaata gctgcagttg 180
taagagggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaact gcggttgat 240
caagaaggga gcagggtca caccagctag ctggctgaat ggaagnagtt gttgctggtg 300
gaaataagca ggagaagaca atgctgccag cagggtgaat ggaagaaaat gctgggggta 360
ggcagcaggg agctggctga aaggaagtag atgaagttgc aaataaga 408

<210> 9366
<211> 443
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-D3

<400> 9366

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attattgaag tataactcat aagcaatcta aaagagggca ccaccaatga tgggttggtg 120
gtaaaacgct gttgggTTTTg tcaaaacaag ttggttgaat ggcaacaatt gttgcagttg 180
taaaagggTg ccagcgTtag gcgcaacgtg caggtaaaac ggcaacaact gttgttgTgt 240
caaaaaggca acagggctca cattaactag ctggctgaat gggggtagct gttgctgttg 300
taaataaaca gcaaagttca atgctgccag ttggttgaat ggaaaaaatt gctgggggta 360
ggcagcaact agctgactga atggtagttg ttgttgcaaa taaacagcaa aattcaatgc 420
agccagttgg ttgaatggaa aaa 443

<210> 9367

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-D4

<400> 9367

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aaatctaaag ccactcacct tttttttatc taagacctgg aacaattatc gatgtgaccg 180
gtatccagca accgtcccag gcaaataac agcagcagca gcaagcagca ggcagctcaa 240
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tcgaagtctc cccctcgtg actcacagct caacattgct gggactgaca gtaactttat 360
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agatcaatgg tggaaggacg ctgcanataa gtaaagccc cagaaacgaa gcgagaaatg 480
cacacgtcc cctccattac cagccgttcc tcttcggctc ttcctatatg aacaacaact 540
gaacaagtac agcagtttat attatac 567

<210> 9368

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-D5

<400> 9368

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tattattgaa ctataactca taagaaattt aaaagagggc cccaccaatg atggggttgtt 120
ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcaaaaat tgttggttgct 180
gatagtaggg agaaagggtt gccagagcta cttggttgat cacaggtagc acgagttgct 240
gcagctgctg tgccttgatg gtttgtacca atgactgcac caaagatagg gctggcgatt 300
gttgaaacaa gggtgataaa ggtatgttgc ttgctgcgat tgcttggttg agcctatagg 360
gttgaagagc tgggttttca catactgaag ctatcattga tggaaggtat gggggaagaa 420
gggaagctat aggagcttgt gagcattgag ggaaa 455

<210> 9369

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-D6

<400> 9369

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nccattatcg agtacatctc atatgtaatc taaaagatgg caccaccaac gatggggttgc 120
tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 180
cgctgttgta ggtacgcagc agagtctgac acagtcagtt ggttgaatgg aagtagttgt 240
tgcaagtagg cagcaggggtt tgccacagct agctgagtaa gagctggtac aatttggtgc 300
agcaactggt gttgcaacaa ctgttggtgc aggtatgtag gtgcattgcc catagcgagc 360
gggctagatg aaagaagttg ttgctgttgt aggtaggcga tagggttcac catggctagt 420
tgactgagcg ctggtagaaa ctgttgcaac tgttggttgt gttggtatgc agctacgttt 480
gccaaagcaa gtgggttgga tgcaagcagc tgttggtgca agtaggcgat agggttcacc 540
acggctaggt ggctcagtgc ttgttgctgc tgcgttgc 578

<210> 9370

<211> 489
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 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E1
 <400> 9370

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 tgcacagga gaaaccttca caagggtttt ttttttgcac tcattaataa gggaagggaa 180
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 gttgatgacg acgagcgctg atctctcgat cgaccggtat tgatcagtag aaaccttggg 360
 tcttcttggg agccaccggc accgacgaga cagcctagat caccagctta ttcttgccac 420
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 ctgagctga 489

<210> 9371
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E11
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 gtagaacact gttgggtttg tcaaagcaag ttggttgaat ggcaccaatt gttgcagttg 180
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 caaaaaggga acaaggctca caccaactag ctggctgaat ggtagaagtt gttgctgctg 300
 taaataagca cgagagttca atgctgcttg ttggttgaat ggaaaaaat gctgggggta 360
 ggcagcacgt agctggctga atgggagttg ttgttggtgc aaataaaaag caagttcaa 420
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<210> 9372

<211> 608
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-107-Q1-N6-E12
 <400> 9372

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 ccaccaatga tgggttgttg gtagaacgct gctgggtttg tcaaagcaag ttggttgaat 120
 ggcagcaatt gttgcagttg taagagggtg ccagcgtag gcgcagcgtg ctggtagaac 180
 ggcaacaact gtggttgtat caagaaggta gcagggctca caccagctag ctggctgaat 240
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 gaggtaggcag caaggtttgc tagcacaagt tgtttagttt gttgtgccct gatgttttgt 480
 gccataaat gcaccaaagg taactgatgt aatagggtcg atgattgttg gaggaacaag 540
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 ggggttttc 608

<210> 9373
 <211> 414
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-N6-E3

<400> 9373

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 ttccagggga aggggttgag gtcttaactt ccacgttaaa gtctcagggc cctgtggttt 240
 tttgaaaagg aactttggtt ccaagcccat tccggggagg tttgtaacct agcttcccaa 300
 aagaatcctt ttttagacat tttcncngg ttggaggaat ataaagggtt ccctgtcggc 360
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<210> 9374
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-E6

 <400> 9374

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 ttttaaaaaag gggccaaaaa aggggtttccc ccccccaaag ggttaaaaaa acttttgccc 240
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 aaaaaaaaaa aaagggttttc caaaaatttg ttgaaaaaaa gttggaaaaa ttttttaaaa 360
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<210> 9375
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-F1

 <400> 9375

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 gaactgatta atgtcaatat acatatagga tcatgattca tgaaaggcaa gcgtgggaat 180
 cataactaac aaggaagaag aatgatgaaa tgggttggtt aatccacctt tggctgctat 240
 cagcggcgtc agggctcgcc tcgcaagcag attcttcctt gtgccaccg ttgagcttcc 300
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 ccgatgccgc tgctgctgtc gcagctgctc gagccttgag gccgagcagc tggagatcca 480
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562

<210> 9376

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F11

<400> 9376

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gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagaggggtt gcgggggttag ccgcaaactg ctggtagaaa ggcagcaact gttgctgtgt 240
caagaaggaa gcacggtttg ctgcagctag ctggctaaat ggtagtagta tttgctgctg 300
caaataagca gcgggggttca gtgcggccaa ttggttaaata ggaagaagtt gttgttgcgt 360
agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aagcagcagg 420
gttcagtgtg gacagttggg tgaatggaag aaattgttgt tgctgagagt agggagaaaag 480
gtttgccaga gctacttggg tgatcagagg tagcacgagt tgctgcagct gttgtgccct 540
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<210> 9377

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F4

<400> 9377

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ttttagctca ggggggtatc ttaagacagt gacaaattga cagcgcgagt gcgcgacaat 180
acacaatcaa acagcactat gtacatatca accagtgtgt atttcttgcc cacgcaaggc 240
ccagacaaat aatacatgtc agtgaagata accaaatcga attgtgttct gtttgtcgat 300
tctttgtgtc agctcttaag gtcctcttcg agctcgtcaa actcccaccc gcttatctcc 360

tcaactgagt actctttgtc ttctttcccg atctctgata ccagggttgc aagctccgca 420
 tttgaatcga aatgctgctc aggtttcatg ggagattttg gtgagtcaac gtgtgcagct 480
 tttggggttag caggagccg aagaggtgaa ggactcagtt tcgatcccta aacggtaggg 540
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 <223> Clone ID: LIB3061-107-Q1-N6-F5
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 ccaaattttc caccgggttt actttaaaaa ttgccctttt ctttgcaaaa ccattggggt 300
 tccacaaaaa gggcttcctt ttttaattgg gattgaaaaa aaaaaaccct ggaaccaaac 360
 caaggggccc caccagggtt tttgggggaa aacccctcc cccaaatttt tttttgccc 420
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<210> 9379
 <211> 569
 <212> DNA
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 <223> Clone ID: LIB3061-107-Q1-N6-F6
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 aggtttttca cagcactaac ggctgacaca gagcgacctt caatcaaaaa cacagatggg 180
 caacaacaaa cagagacga acgaagataa aactctgga ctagggtaaa caacacggta 240
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gttgccgtag ccgccgccac ggttgccacc gccgtagccg ccgccaccac caccgtagcc 360
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gccaccgccc tagccgccc ctccacggcc accaccgtac ccgccgccc cgccgcctcc 480
acggccgccc cgggactggg cctcgttgac ggtgatgttg cggccggcca gtccttgcc 540
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<210> 9380

<211> 596

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-F8

<400> 9380

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tttccaattc tcttgtgctt caaaaccaa agatgaagat gtcgcaagg tcgcgacgca 180
cggcgctcgtc gtccttgagc cttgccatgg tcatcttctc gatcttcatg gtccactcc 240
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agcaacacag gtcacgaaag tagattgctt ctgccagcat gggtaacctt ttagaccaca 420
caaaatagat tctgtgaga cttaaaaaat gttaattgta gctaggtttt tcgttttgta 480
ctaaagaaga tgttgggtga tcatgcatac aatgtagtag atttaagaaa aaaatacgtg 540
atgataaaag cagtattgaa gagtgcgag taaatcaatg cagtaactat atgttt 596

<210> 9381

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G11

<400> 9381

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agaacactgt tgagtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
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agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagc agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaactag ctggctgaat ggtaattggt gttgcaaata agcagcagag ttcaatgcag 420
ccagttgggt gaatggaaga aactgatggt gctgagagta tgcagcaagg tttgctagca 480
caagttgttg tagttgttgt gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctgacggt tggtggagga acaaggggtga taatggtaag atgcctgttg 600
cga 603

<210> 9382
<211> 520
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-G12
<400> 9382

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gacaaggcag ggttcatcaa agagaactgg ttgtatggca gcaattgttg ctgctgtagg 180
aaggcagcga ccaatgggtt agccaccgct agtggattaa gtaactgttg tcgctgttgt 240
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gcagcagggt ttgccacagc tagctgagta agagctggta caatttgttg cagcaactgt 360
tggtgcaaca actgttgttg caggatatgta ggtgcattgc ccatagcgag cgggctaaat 420
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gctggtagaa actgttgcaa ctgttgttgt tggtggtagt 520

<210> 9383
<211> 611
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-107-Q1-N6-G3

<400> 9383

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ttagaatgct catcattgag caatagagct cgttactgtg tcaatcaaata atagacagac 480
tactatgcag ataatacgag caaccatgac ctaagcaagc tacagaatat caacagaata 540
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<210> 9384

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G4

<400> 9384

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ggttgttggt agaacgctgc tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt 180
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gagttcaatg cagctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca 480
aggtttgcta gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc 540
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<210> 9385
 <211> 607
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-G5

 <400> 9385

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taaagaacag gtatggaaat gtctgttcgg cgggatacaa acagaggctc ggttcttcag 120
tttactcttc gtcacatcc gctgcatccc cggacccacc ttttaagggtgc agatgcttct 180
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<210> 9386
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-107-Q1-N6-G6

 <400> 9386

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gtaggaggcc gctcggcctg tcaaagcaag gtggacaaag ggcaacaatg ggtgtagttg 180
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caagaaggaa acacggggcg ccccaactag ctggctaaat gggaggagga tttgctgctg 300
caaaaaaaca gcggggaaca gggcggccaa ttggttaa at ggaaaaaggt gttggtgctg 360
  
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409

<210> 9387

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-G7

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tagcatgccg ttacaccgtt cagggagagg ccgtgaaagg tggcgggtggg tacatcaagg 180

catgagcctc acttccagag cttgcgcagg gacatgttct tctccgtgtc tttcttcac 240

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ttcagaatat cgaaacgtga gtcctcgta ggatttggaa actcaatctt cctgtctatg 480

cggccaggcc tcaaaagggc ttgatccaaa atgtctattc tgtttgttgc catcaaaacc 540

ttaattttgt ttgaagcttc aaaaccatca agctgggtta gaagttcaag catggtacg 599

<210> 9388

<211> 505

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-N6-H11

<400> 9388

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tggcgccacc tgaagttatt ctttcagttt gtcactcatt aactttcacc agcaaacacct 180

cttgtttata caaaggtttg ctccggttag cactgaatca tttacagggt cataaatcac 240

aacagcctcc aatccaaccc ttcgtttcca caggtgacag acaatcaaaa ccactttttg 300

ctcagcagtt tcgaaacggt caagtctgtg tcgccgaacc catccataac ggccttcgcg 360
gagtgaatt cggtcttgc ggtaaagctg ctctgaacaa ctatgcatgg catgccaatg 420
cgttcggctg caaggacacc agattggctg cccgcaacaa ggatgcagtt ttgcacgtcg 480
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<210> 9389

<211> 534

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-H3

<400> 9389

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caggccttgt ttctcgagtt caccatgtc tgtgaccaca gcttcccgcg gaacagcgat 480
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<210> 9390

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-N6-H7

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aaaaaagatt tttttgcacc ctttgtaaaa aaaaaaagga aatccggggg ggggcataaa 300
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<210> 9391
 <211> 643
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-A1
 <400> 9391

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<210> 9392
 <211> 315
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-A11
 <400> 9392

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gacaaaccca gcagccttct accaacaaca catcattggc ggtgccctct tttagattgc 240
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<210> 9394
 <211> 650
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-A2
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<210> 9395
<211> 648
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-A3
<400> 9395

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gagaagggtg tgggcaagaa gtttgetcac caggatgagt atgattcctc gattggcgtc 600
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<210> 9396
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A4

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ttctttttct tttctttttt ttctggtcag tgtgcccttg ctccggaatg gcagagtgtg 420
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<210> 9397

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A5

<400> 9397

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gctgttttgt ctacaaagat gaacgaatct tctactgggg atggaaaatt aggttttgct 300
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<210> 9398

<211> 522
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A6

<400> 9398

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agttctatga aggtgatggt tacaagttcg cccattctc ctttgcgctg attcgtgagg 180
aagaagattg agatcgtccc atgtagccga tgtacaatct ttgatggcct ttgttcccgg 240
aacaaatcat tttttcatct gttgtctcgg atggatcata aacctcagtc ccctttgttt 300
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tgggcggtgt gttggatata aataagcact gtattgaagg ttaaacattc cgctacgttc 480
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<210> 9399
<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A7

<400> 9399

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caacaacagt ttctgccatc actgagccac ctagccgtgg tgaaccctgt cacctacttg 240
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tacctacaac agcgacaaca gttacttaat ccattggcag tggctaacct attggtcgct 600
accttcctgc agcagcaaca acaattgctg ccataca 637

<210> 9400
<211> 671
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A8

<400> 9400

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aatgctcact tgctccgagt gccattattc cacagttcct cctccagtt acttcaatgg 180
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tcgcaacgca gcagcaacaa gcactgagcc acctagccgt ggtgaaccct atcgccctact 360
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ctacatacct gcaacaacag ttgttgcaac aacagttgct gcaacaaatt gtaccagctc 600
ttactcagct agctgtggca aaccctgctg cctacttgca acaactactt ccattcaacc 660
aactgactgt g 671

<210> 9401
<211> 645
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-A9

<400> 9401

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tatccctcct tgcgcttctt gcgctttttg cgagcgcaac aaatgcgttc attattccac 120
aatgctcact tgctccaagt tccattatta cacagttcct cccaccagtt acttcaatgg 180

gcttcgaaca cccagctgtg caagcctata ggctacaaca agcaattgcg gcgagcgtct 240
tacaacaacc aatttcccag ttgcaacaac aatccttggc acatctaaca atacaaacca 300
tcgcaacgca acagcaacaa caattcctac cagcactgag ccacctagcc atgggtgaacc 360
ctgccgccta cttgcaacag cagttgcttg catcaaacc acccttgctctg gcaaacgtag 420
ttgcaaacca gccacaâcaa cagctgcaac agtttctgcc agcgctcagt caactagcca 480
tgggtgaaccc tggcgctac ctacaacagc aacaactgct ttcacttagc ccgctcgtg 540
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<210> 9402
<211> 654
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B1
<400> 9402

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aactcagaca acttgggtgc tatagtcgac atcaagatcc taaaccatct gatcaataac 180
cagaacgagt actgcatgga gggtactcca aagacgctgg ctgacgttaa ggggtggcact 240
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aaccttaaag ctatcaagag actcgtagag gctgaggcac ttaagatgga aattattcca 420
aaccceaagg aagttgatgg tgtgaaagtc cttcaactcg aaaccgcagc tgggtgcagct 480
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aaggctacat ctgatctgtt gcttgtgcag tctgatcttt acaccttggg tgatggcttt 600
gtcatccgca acccatccag agcgaatcca gctaaccctt caattgagct tgga 654

<210> 9403
<211> 646
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B10

<400> 9403

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agccaagaga gcgtgatgct gtggctactc aaggacaagc taagcgagat ggaccatgac 180
ggagacggca ggctaagcca ggaggagtgc gtcgctcaat ctacatcat catctccggc 240
gcgctgcacg ccgacgacgg tggccatgcc catgaccttg agcgtgccga agctgcgaag 300
aagttcacag aactggacgc cgacaaggac aactacttga cggtggaaga agcgcgctgc 360
gtactgcaga gcctcgtcac gggggagtgc tctatgcta cctcacatgc caagttcttg 420
atgaaggctg atgtgaacca tgacggcaaa ctgctcgtgg aggagatgct agacgactac 480
atatacttct acagcacgct gtatatggat gatcattacg ccagcgaagg tgaagtcgat 540
agtgattccc gcgacgagct atgagcagtt aaggcaggac aggacagcaa gtcggagggt 600
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<210> 9404

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B12

<400> 9404

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ttcgaccccg gtcgtgcccc cacggcgacc acggtgcggt accggtatag ggttctcggc 180
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cgcgcaacgg ccgttgtgcg aggccttttc tggccgtcca gatgagatcg aacggttggg 300
aaaaaagcag agtttggttt ctttgcgccg ctggcggtcg cggccaagc ctgaggaggt 360
cacagcccca caggcgccca ttcggacttc cttttattcc ctttcctata taatcccatc 420
gactgccatc ttcagatctt ctccgcttc caacttcggt tccgcaaatt gaaagctcgg 480
cgttgccctg cgcacctgcc tcgagctcga aggactttgt ccctatacgt cgttgtccag 540

ctcctcgcat attgtggcct ggtgcagatt ggagatccgc cgggacttgg atcgagtcct 600
cctgtctttg gacattcatt ggagtgtcc attcattgag ac 642

<210> 9405
<211> 579
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B2

<400> 9405

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tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt 120
gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 180
gctcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 240
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caaccaactg gctgtgtcaa actctgctgc gtacctacaa cagcgacaac agttacttaa 360
tccattggca gtggctaacc cattggctgc taccttctcg cagcagcaac aacaattgct 420
gccatacaac cagttctctt tgatgaacc tgcttgcag caaccatcg ttggagggtgc 480
catcttttag attacatag agatgtactc gacaatgggtg cctcatacc gacatgtgtt 540
ttctagaaat aatcaatata ttgattgaga tttatctcg 579

<210> 9406
<211> 647
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B3

<400> 9406

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gattcggccg tcatctgctg ctgattcggc ccgcgcgccg tcgggggtcg ctttcttctg 180
cgcagggtct cgaatttctt aggagcggag gcgatggctg ggaagggagg aaaaggattg 240
ctcgccgcga agacgacggc ggccaagtcg gcggagaagg acaaggggaa gaaggccccc 300

atctcacggt cctcccgcg cggcctccag tttcctgttg gacgaatcca ccgtcagctg 360
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aaggtgaagc gtatcacccc tcgccaccta cagttggcca ttgcgggaga cgaggagctg 540
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<210> 9407
<211> 198
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B5
<400> 9407

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tttgacaaac ccagcagcct tctaccaaca acacatcatt ggcggtgcca tcttttagat 120
tgcttattag ttgtaattca ataataaggt tttttggctg atgtatgtgg cctcctagaa 180
ataagaagtt acatttcc 198

<210> 9408
<211> 612
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-B6
<400> 9408

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gccatattga tgtgtgcaaa agaactgtgg gagtatggga ctatttgtat actactcggc 420

attaagtgca ttctttggga aatttctgag aaatttcccc tactaccagg attgataaca 480
ccatcgattt tcgctacagt acctggagct tcttatatga aagaacaaca catcaactat 540
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<210> 9409

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-B8

<400> 9409

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattctacc 240
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atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
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gttggtgccc ttctaccagc acgttgcgcc taacgctggc a 641

<210> 9410

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C10

<400> 9410

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agttggatca gttcttacca gaggttgcaa ttattatagg aaaatttata aaccaaatat 180
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 aaaagcctgg aagtcgcaat gtgggtacga ccaaacttcc taaaaatcaa atgaacttag 360
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 tacaagctag agagatactt gaatgggttta gcccttccct cgtaggtttt gttcggttat 480
 tcccattcca tgtgaattat atgagattga aagaaactag gaagaatttt gattaaatag 540
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<210> 9411
 <211> 540
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 9411

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 cattggtggt gccctctttt agatttctta tgagttatag ttcaataata aagttttttg 480
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<210> 9412
 <211> 534
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-K6-C3

<400> 9412

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caggggcaga ctcccgtga taagaatgtt gaggacgcca ccttgagaa tcttgacggg 480
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<210> 9413

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C4

<400> 9413

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tcatttgagg tccgcacaca gcatagtctg aggccaacaa caacttaaat ttgagaagga 180
ccttggtaat aacattacc ataccagcc tttcatgtat gatcaagaag ttagcgtgaa 240
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<210> 9414
 <211> 635
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C5

<400> 9414

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<210> 9415
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-C6

<400> 9415

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459

<210> 9416

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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acaacagctg cttgcatcca acccacttgc tttggcaaac gtagctgcat accaacaaca 180

acaacagttg caacagtttc taccagcgct cagtcaacta gccatggtga accctatcgc 240

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gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 480

ggtggctaac ccattggctg ctgccttcct acagcagcaa caattgctgc catacaacca 540

gttctctttg atgaaccctg ctttgcctg gcagcaac 578

<210> 9417

<211> 492

<212> DNA

<213> Zea mays

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<400> 9417

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gctcctatag ctccccctt tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180

aacccaattc ttcaacccta caggatcaa caggcaatca cagctggcat cttaccttta 240

tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300

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 aataataaag ttttttggat gatgtatgtg gcccaaccaga aataagaagt tacatttcca 480
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<210> 9418

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-C9

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 aaccccgcaa cctctttaca actacaacaa ttgttgccct ttgtccaact tgctntgaca 540
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<210> 9419

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D1

<400> 9419

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gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 180
gctcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 240
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caaccaactg gctgtgtcaa actctgctgc gtacctataa cagcgacaac agttacttaa 360
tccattggca gtggctaacc cattggctgc taccttctg cagcagcaac aacaattgct 420
gccatacaac ca 432

<210> 9420

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D10

<400> 9420

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gcggcctcgc ctggggccacg gacgaccact cctccacaa cgccttcagc acctacggcg 180
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ggaactggag gaactgagcg gtggggcccg cgcggccaag ttatcctgtt cgctaccgtg 600
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<210> 9421

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D11

<400> 9421

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 ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgctt acccccagca 480
 atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca 600
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<210> 9422

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D12

<400> 9422

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 cggcctatag tttcttccat ggtttggtct cctttgatcc ttggaagcgt gtttcaaaaa 180
 cttgggctcc acctaaagttc aagattttca tttggctagc tgtccgaaat cgctgttgga 240
 ctgcagaccg attgccttgg agaggactgg cacacctagt tcattacgtt ctttgcgacc 300
 tggaagagga gaatactaata cacattttgt tttcctgtgt tttctcgagg gttctggttt 360
 agagttttct cccggctggg gtatattgac catgtgttgg ggtcccagga gcaatcgttt 420
 gcagattggg ggtgaaaggc ttgcaaata ctcccaaaag aaaaaaagg aagggcatgg 480
 attcaatgat tatgttggga gcttgatcc tatggaagca tcgcatgcc tgcgtcttgg 540
 aaggtttgca gccgaatatg tggagtgttc ttctgcatgc tcttgaagat gaacaacatc 600
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<210> 9423
 <211> 648
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-D2

<400> 9423

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agctcctata gcttcccttc tcccccata cctctcacca gcgggtgtctt caatgtgtga 180
aaccccaatt gttcaaccct acaggatcca acaggcaatc gcaacaggca tcttaccatt 240
atcacccttg ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccattt 300
ggtggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
atactctcag caacatcagt ttcttccatt caaccaactg gctgcattga actctgctgc 420
ttatttgcaa caacaattac cattcagcca gctagttgct gcctaccccc agcaatttct 480
tccattcaac caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg atgtgagccc tgctgccttc ttgacacaa aacagtntgt 600
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<210> 9424
 <211> 533
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-D3

<400> 9424

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ttgtttgtat tgctacgact agcagtgagg tcgcgaggat ctgaagaatc atcctggtag 180
ctggaatctc aagtgccagg caagttgtgc ccttgaccac ttttcaccca ataatgttct 240
ttaatgtcat tattcatgca taggtttaat tttgacggga cccaatatgt caccctagtc 300
  
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tgtttatcca ttttaccttg tttacccttg aatcatttga gtagttttgc tattacttta 360
 tattgttttg ggtaaatatt tcattatata catgtaccaa ttatgttgnt attttattta 420
 tgttcatgtc aagatcatta ttatctttta ttggaacatg gagcttaact tgagaaacac 480
 gtgccacaac aagggtggaa tgggaagccc ttggctgact aataaggaaa gct 533

<210> 9425

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D4

<400> 9425

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 cccgcaatgc tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggt 180
 gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc 240
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 acctttggtg catttattgg cacaaaacat cagggcacaa caactacaac aacttgtgct 360
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 attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 480
 ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt 540
 acagcagcaa caactactac cattcagcca gctagctggt gtgagccctg ctaccttctt 600
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<210> 9426

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-D5

<400> 9426

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 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaaccca attcttcaac cctataggat ccaacaggca atcgagctg gcattctacc 240
 tttatcacc cttgttctcc aacaatcatc agccctatta cagcagttac ctttggtgca 300
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgct acccccagca 480
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagcntgggtg tgagccctgc taccttcttg acacaaccac 600
 aattggtgcc gttctaccag cacgctgcgc cttaaagctg ca 642

<210> 9427

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-D6

<400> 9427

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 taagttgcag tctgagtctg tcaaggatgc catctcccag attggtgggg atgccaagga 120
 gaagaatagg aagttcactg agactgtgga acttcagatt ggtctgaaga attatgatcc 180
 acagaaggac aagcgtttca gtggctctgt taagttgccc catatccctc gtccaagat 240
 gaaggtgtgc atgcttggtg atgccagca tgttgaggag gccgagaaga tgggacttga 300
 ctacatggat gttgaggctc tcaagaaaat gaacaagaac aagaagcttg ttaagaggct 360
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 ccttggtcct ggtctcaaca aggcaggcaa gttcccgacc ctggttactc accaggaatc 480
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 ttgcatgggt gtcgccgtcg gcaacttggc gatggaggag aagcagatcc agcagaacat 600
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<210> 9428

<211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-D7

<400> 9428

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accccgatcc tggggccagtg cgtcagagttt ctgaggcatc agtgcagccc gacggcgacg  180
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cagcagccgc aaagcggcca ggtcgcgggg ctgttggcgg cgcagatagc gcagcaactg  360
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ttagcggcga tgattgagta taatgtgtca cgcataacca tgggtgggag tggcagtggt  540
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<210> 9429
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-D8

<400> 9429

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agtgtttctt gtacacagac aggcgggtgc agctgtgggc aacaacaaag ccatgagcag  180
caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat  240
caccagcagc agcaacacca acaacaacaa gttcacatgc aaccacaaaa acatcagcaa  300
caacaagaag ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa  360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca  420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag  480

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caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
 caatatcagc agggccagga aaatcacaaac agcaacaatg tcattgccag gagcagcaac 600
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<210> 9430

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E1

<400> 9430

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 cattattcca caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt 180
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 ggcaaacata gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag 480
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 cctctctgct gtggttaatg cacctacata cctgcaacia cagttgctgc aacagattgt 600
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<210> 9431

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E10

<400> 9431

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 acaagctcct atagcttccc ttcttcccc atacctctca ccagcgatgt cttcagtatg 180

tgaaaatcca attcttctac cctacaggat ccaacaggca atcgcagcag gcatcttacc 240
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 actaccattc agccagctag ctgctgccta ccccgaggca tttcttccat tcaaccaact 600
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<210> 9432
 <211> 653
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 9432

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 agatttatcc agagcatcca tcacatatat tgacaaactc gactagtgc aatatcttgg 180
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 tacaactatc aaatgctgag gttcaagtgg atatggtttg gcagcagaat gtgccattgt 600
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<210> 9433
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E2

<400> 9433

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<210> 9434

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-E4

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<211> 624

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-K6-E6

<400> 9435

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<210> 9436
 <211> 643
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 9436

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<210> 9437
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-E9
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 ccatcagcgg cgtcgccgaa tgcccctgga ttctcggcgg cggaacgatg ccctccaagt 480
 aactgcgaag agcatagtgc atgaggaatg agcttgtagc tagctcatat gtctgaataa 540
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<210> 9438
 <211> 639
 <212> DNA
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 <223> Clone ID: LIB3061-113-Q1-K6-F11
 <400> 9438

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ctatcgcta ctgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag 180
ctgcatacca acaacaacaa cagttgcaac agtttctacc agcgctcagt caactagcca 240
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ttggtggtgc catcttttag attacatatg agatgtact 639

<210> 9439
<211> 585
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-113-Q1-K6-F3
<400> 9439

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ctcccgggcg ctggccaccg tgacggcgat catcgacggg acgggggtctg tcggagccgc 180
catcggggcg ctggtgacgg ggtacgtctc gtcgaggagc tggagcgccg tgttcaccat 240
gctgatggcg gcggtctctc tcgctgggct cctcttgagc aagctcgtgt gcgccgagct 300
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agatgaagtg taagactgaa gccctgggta gtaagccac gttcccgacc tgaagatgaa 420
aaggcagaga tttagctgct gagtgactgg ctcaaagtc aatacagagg atgtactttt 480
ggatgatgag gtaaaagatg taagtgggtg cttagatggg atttacaggt taactagact 540
ctagagccca aatacaggca cattggaggc gcctagggga ataag 585

<210> 9440
<211> 638
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F5

<400> 9440

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aagatatttt cctccttat gtccttgct ctttctacat gtgttgctaa cgcgacaatt 120
ttccctcaat gtcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatt 180
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cagtcattgg tacaaccat cagggcaca cagctgcagc aactcgtgct acctctgac 360
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aaccaactgt ctacactgaa cctgctgct tatttgagc aacaactatt accatttagc 480
cagctagcta ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
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gcaaaccgtg cttccttctt gacacagcaa cagttgct 638

<210> 9441

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-F6

<400> 9441

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tccacttcaa ttactaccac cgcttgga gggcctgat cctaaacctc caggatgcc 180
tgtaacgaat ccaaccagga gagcacgtgc agattataga ctatatgatg ttgaggtgac 240
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aacaagtaga gatgagcacc gcccggtgat gggcagctg gactccttac taaagagcag 420
agtttcagag ccacggcaag caagatcttc acatgcatca cgatcaaaat ttaaattccag 480
tggaagtaaa aaggccacag agcatgattt ggacaggtct tgggtggcccc ataccaagaa 540

accagcatct tcgccgagga aaatgcggag gctatcatct ttccgccgga gccggagaga 600
gagtgcagac caaaagcccg tagttgcaaa aactggcgga ccagcagt 648

<210> 9442

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G1

<400> 9442

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gtcaaaggaa aggtcggatg gcgccgggtg ttttgctgca cgaggtttaa tgcttcatac 180
cgtgaacatg aaaatgaacg tcccatcact ccagaggaga aagaaggaaa tggtttttct 240
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ggaagagtat attatgctat tctggacagc ggaaaacatg ttgctgttaa aaagcttgac 420
gcttcaacag accctgaact tgataatgag tttttgacac aggtatccat tgcctcaaaa 480
ctaaaacatg ataattttgt ggagatgctt ggatattgtg tggaaggaaa tcagcgtcta 540
gtggtctatg aatttgcgac aatgggttct ctgcatgata tcttgcattg aagaagggt 600
gttccaggtg cacagcctgg cccagcactt gattggatgc agcgggttaa g 651

<210> 9443

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G10

<400> 9443

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tggaacattc gatgggacaa tcgcacacat atagaagaca taatggacat tctactctg 120
ttctccaatc atagtagtgg aagcattcat cctcatacaa agagtgggtc cgttgctcca 180
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gcaaagtggc acaaattctga taaaaaaatg gaagcacgca aggttacaaa gtctgattct 300
cgagctaacc gctccacagc aagtaactct tctcctgaga caaagctttc caggaaatca 360
ctggacatat caagtgttgc ttcagatttg aagacttcag tgtctgttcc ttcaacgcca 420
cccttagtat ccagagcaga tccatcatcc tccaaggggc attctcaacc tacagattca 480
gattcgatga agaaagcatg gcggtcacca gggatatcaat tatacagaca gggttcggac 540
agtaaaattc catctctcag atctctcaat gagataaggt ctctgaagg aaggcctccc 600
tcttccatgt tatcaacctg cagcaatgac ttgtcagcag caggat 646

<210> 9444

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G11

<400> 9444

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ctgttccttc agtgggttct gtctacaatg aatatgcctt gaaaagtcaa tatgacacta 180
gcatctatct ccagaacttg tttctgtacg gatatggagc aatattcaac ttgcttggca 240
ttcttgggac tgtcctattc caagggccag agagttttaa tattcttoga ggccattcaa 300
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ttaagtatgc agacacaatt ttgaagaaat attcgtcaac tgttgccaca atatttactg 420
gcctagcttc tgcctgattt ttggggcatt ccttgaccat taattttctc ctgggcatat 480
cagtgggtgtt tatttcaatg caccagttct tctctccgct tgcaaaagtc aaagatgaca 540
aaccagctga ctcaatagag ttggaagata cacaaaatga ccgccccatct gaatcttctt 600
ttgtaaatat gactgctggg gccgctgatg atgcaagcca tcgga 645

<210> 9445

<211> 119

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G12

<400> 9445

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aacacagcgt cttgggtctag ctgcgtcactc ggcattggac tacatcatat acagttgat 119

<210> 9446

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G3

<400> 9446

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tttaaaaaac cctcgtgata tctatgccct tgccttcctg cttatcatga acctatcctt 120
tgaagcctcc tctattccat ccctgttcga ggataatgcc tcatttatct catcattgac 180
tgggtccccct tctctgacac ttgcaagct tttcctcaaa tacgtccttt gtcgtgtggt 240
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cctgcacttt aaagccgctt cttccattcc attccaagag tgatgtcttg cccttctcga 360
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atcatctttt ccattctgat ttgagaatgg tgttttacct atcctaacct tgggtgcatt 540
ctctccctgt cggatacaat ccttgcttta gctccatcct ttattatgct catgccccta 600
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<210> 9447

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G4

<400> 9447

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caagatatta tccctctttg cgcttcttgc cttttttgtg agcgcaacaa atgcgttcat 120
tattccacaa tgctcacttg ctccatgtgc cattattcca cagttcctcc ctccagttac 180

ttcaatgggc ttcgaacacc cagctgtgca agcctacagg ctacaacaag cgcttgcggc 240
 gagcgtctta caacaaccaa ttgccaatt acaacaacaa tccttggcac atctaaccat 300
 acaaaccatc gcaacgcaac agcaacaaca atttctacca gcactgagcc aactagctgt 360
 ggtgaaccct gtcgcctact tgcaacagca gttgcttgca tccaaccac ttgctctggc 420
 aaacatagtt gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc 540
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 agctctgact cagctagctg t 621

<210> 9448
 <211> 641
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-G5
 <400> 9448

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 ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgcctccgtt 180
 ctatctgccg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
 aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
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 cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct 540
 gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcggtg tctactactg 600
 aggaaactat gtactgtagt aataatgtaa tggagccgct g 641

<210> 9449
 <211> 644
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G6

<400> 9449

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gtccttatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
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ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctacctg ttgcctaccc ccaacaattt 480
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ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
ttgcgcttct accagcacgc tgcgcctaac gctggcaccc tctt 644

<210> 9450

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-G7

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ctcctatagc ttcccttctt cccccgtacc tctcaccaac ggtgtcttcg gtatgtgaaa 180
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cacccttgtt cctccaacia tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
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taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt 600
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<210> 9451

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-K6-G8

<400> 9451

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 tcattattcc acagtgtca cttgtccta gtgccattat tccacagttc ctcccaccag 180
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 cggcgagcgc cttacaacaa ccaattgcc aattgcaaca acaatccttg gcacatctaa 300
 ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
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 cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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<210> 9452

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H1

<400> 9452

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gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg cggcgagcgt 240
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 gactcagcta gttgtggcaa accctgctgc ctacttgcaa cagctgcttc ca 652

<210> 9453
 <211> 647
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-K6-H10

 <400> 9453

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 aagcttacat caaagccaaa tgaaagcctc tatgagcaga agcccgagga accagctccc 240
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<210> 9454
 <211> 642
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H11

<400> 9454

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agcaaggaca ccgtggggca gtacgagtc cacatcgct tcaactcttc tgggctctac 180
cgtgtcgtcc atggcatcga tgttttcgat cccaagttca acattgtctc ccttgagca 240
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atgtacagcc tcacgacga gtacaagttg aagggccata tccggtggat ctcggcgag 600
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<210> 9455

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H12

<400> 9455

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ccatttttcc tcaatactca caagctccta tagctgcctt tttccccca taccttccat 180
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tgccgcact gaacccctct gcttatttcc agcagcaaact actactacca ttggccagc 600
tagctacaac aagccccact tgctttttga aacaacaaca a 641

<210> 9456
<211> 92
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H2

<400> 9456

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ggaagagatg gcggaacaag acgaagagca cc 92

<210> 9457
<211> 659
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H3

<400> 9457

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gctacggcgg cgggtgggga tacggtggtg caaacgcggc cggcggttac ggcaacaacg 480
acgggaactg gaggaactga gcggtggggt ccgctgaggc ctagttatct tgttcgcttc 540
tgctaccgtg ttcaccctag tctagagggg gtttatcttc gtctgtgggc gtctcgtgtc 600
cgtatgtttc gtttcgtgtt cgggtgttgg gttgcccac tgtgtttttg accgcaagc 659

<210> 9458
<211> 601
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-H4
 <400> 9458

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 tgtgaagcgt gctctcacct ttggtataga gaacgtatcc tcgcaaccat caatccttaa 120
 gttattgaag gaggcagctg caagttgctt gatcagtcct aatcaaactt caaagggttt 180
 ttctagacta gctgaggggtg ttgacgactt gagtcttgat attccttctg ctaaagttct 240
 ttttgacaag ctgggtttcaa cagctatata tgaaggatgg cttgatgctt cttttggtaa 300
 atcagctgcc cctgatgaag agatacaaag tacaagcgtt gtaaagggtga agcgttttta 360
 agaagaatgt ggccacataa ttcattgagta ttttctctca gatgatgtcc cagaacttat 420
 tcgaagcctt gaagagcttt ctgctccaga attcaatccc attttcctca aaaagcttgt 480
 gacgcttgct atggatagaa agagcagaga gaaggagatg gcctcagtac tcctttcttc 540
 attgagatta gaattgtttt caactgatga catcattgag ggttttgtaa tgctcttgca 600
 g 601

<210> 9459
 <211> 520
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-K6-H8
 <400> 9459

gtagtatagg caccacaaca actacaaca cttgtgctag caaaccttgc tgcctactct 60
 cagcaacagc agttttcttc attcaacca ctaggttcat tgaactctgc ttcttatttg 120
 caacaacaac aactaccatt cagccagcta cctgctgctt acccccagca atttcttcca 180
 ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca actactacca 240
 ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca gttgttgccg 300
 ttctaccagc acgttgcgcc taacgctggc accctcttac aactgcaaca attgctgcca 360
 ttcaaccaac ttgctttgac aaaccagca gtgttctacc aacaacccat cattggtggg 420
 gccctctttt agatttctta tgagttatag ttcaataata aagtttttta tctgatgttt 480

gtggcttccc agaaataaga aagtacattt ctgattctt

520

<210> 9460

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-K6-H9

<400> 9460

agcacatcaa acaagtggcg acagacaaag atttgtgagg gtgatccgcg ctgagaagag 60

atggctaaga tcgccgcggc ggcggcgggc ggcgtgtgct tcgcggccct ggtggcctgt 120

gcctgtctgcc aaggcgaggt cgagcggcag aggcctcaggg acctgcagtg ctggcaggag 180

gtccaggaga gcccgctcga cgcgtgccgc caggctcctcg accggcagct aaccggcggc 240

ggcggcgggc gcggcgttgg cccgttccgg tggggcaccg ggctccggat gcggtgctgc 300

cagcagctcc aggacgtgag ccgcgagtgc cgctgcgcgc ccatccggag catggtcagg 360

ggatacgagg aggccatgcc gccgctggag aaaggctggt ggccatgggg gcg 413

<210> 9461

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-A1

<400> 9461

ttcagttgtt attgaggaaa tggcagagga tgatgacaag gctggctgtg tgctcgaagt 60

gctgcaaggg attagacgaa gcaaattccga gaaaatggcg atgagtatca actccagctt 120

gttgcaagaa atgcacctac tgaattctca gaaagggaaa atgaacatgg attgactgta 180

tcattggatg aatcaaacia cagtcctaga aattgttcca aacagagaat cgggggaaaa 240

gacatgtgag cactatgcna cataagacct gaagagaaaa agtggagcca ttagcaaccg 300

tggagatgct tcaaggggga cagctgagat tgatggagcg taaaagaaaa agaaaaagag 360

gcaaggacaa tgcactgtta tggacacagg ataagtaaac aacgaagaaa aggacgttta 420

gctacacgat actacagctg atcctgttcg gtataaaaca gaactataaa gaataacatg 480

acaaaaagtg ctgttagatg gtgataccac tgagcaatct gctcagaaca acattgtcaa 540

taaagacact gacgaggcaa gtgcgcacga cgcctattat aagaacaag 589

<210> 9462
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A11

<400> 9462

cccacgcgtc cgtgcttatt tccagcagca aatactacta ccattttggc cagctagcta 60
caacaagccc cgcttccttc ttgacacaac aacaagtgtt tccgttctac cagcagtttg 120
tggctaaccc cgcaaccctc ttacaactgc aacagtttgt gccctttgtc caacttgctt 180
taacaaaccc agcatcctta taccaacaac acataattgg cgggtgccctc ttttagattg 240
cttattagct gtaattcaat aataaagttt tttgaatgat atatgtggcc tcttagaaat 300
aaaaggatat atgcccaatg taaatagctg gccaaaaaga aaaaaatatt tgctgctgga 360
aaaaaaaaca gacccctggg cggacacggg g 391

<210> 9463
<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A12

<400> 9463

cgaccacaag cctgtgttcg ccacggcggc ggtgagctcc ccgccggagc agaagccgtt 60
cgtggcggcg gcgggcgggc tgccccggc gttcccggag ctggcggcgt actacgaccg 120
gccgtcggac tcgatgccgc ggctgcacgc ggactactcc agctgctcgg agcaggtgct 180
gtccccggag cagctggcgt gcgaccggga ggtgcagagc cagcccaaga tcagcgagtg 240
ggagcggacc ttcgcctacg acccctgaa ccccgcgggc tccatgctcg acccgtcat 300
cagtcacgcc tgcggtgacc cgatgctgca ggacatgctt atgtactgtt gcaagccgct 360
ctagacgaca ccgaccatca tgtcctgagg ggaggtggtg gtggccaacc atcctcgggt 420
aaggcatgat gggtgattga tctgtctagg gctgggcact gcacttcaag ctcaccgtgt 480
gggcttgagt cagccagcc g 501

<210> 9464
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A2

<400> 9464

cacgcctgca ggagccggga tgctatagag cggtcgacct acgcgttcgt atggagagga 60
gcgggagcagg agaggagggc ccttgagcga gacactacgg tgtgaaagac gtagtacact 120
aacaagcgct gacgagaagg acggtatgaa gctagatgat gagcgactac aaggcggaca 180
tggtgaacga cgggacgcag gattgctgac ctgaatgcaa.tggcccgtac taaagcttat 240
accaaggagg ggcattggatg gctcgattag aactgtctga tgcataccct taaaaatcca 300
tcatccattg agcttcatca acaagataca tgactcgaat gtcgatgaca tgtctgtctg 360
tgtcagcata catgtcataa accagaca 388

<210> 9465
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A5

<400> 9465

gcctgcgtgt gccgggctgc tatagagcgg tcgacctacg cgttcggtga aacgccgaga 60
agggcaggat catcatgggt ccagacactc ttatgacggc aagggccgac ggggaccgcc 120
tggtgaccct ctaagaccta tgactgggct gagggacacg gcagcatcat gcaagcttgc 180
ccttgagaga ccattacctg atttttcaat acatcagatg catgataatg atgattacca 240
cattgtattc aacagaggac gggctgctgc gggctttctg atcagtgtct agtgggctac 300
aaagataaac gaatgttcta ctggggatgt gaaatcacgt tatgctgcgt tctccctaag 360
gttgctaagt tcttatggat gggctatcat gtgcaatgag aatgggtggac tcaatca 417

<210> 9466
<211> 564
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A6

<400> 9466

ggcaactact tattggcacc atcgtcttca tatttggcac ggttggtgtc ctgcttgta 60
tggagaccct gaggcgattc cttcacgcac tgaggcttca ctgggtggag ttccagaaca 120
agttctatga aggtgatggt tacaagttcg cccattctc ctttgcgctg attcgtgagg 180
aagaagattg agatcgctcc atgtagccga tgtacaatct ttgatggcct ttgttcccg 240
aacaatcat tttttcatct gttgtctcgg atggatcata aacctcagtc ccttttgttt 300
agacatggga cgaacagcac cttttttact tgttttagta tgcagaggat ttttgggtcg 360
gttggcggga aacatggggg tgatatcacc attgtatgat gctaataagt agttgccgat 420
tgggcgggtg gttggatata aataagcact gtattgaagg ttaaaccattc cgctacgttc 480
gttgtcaata aagagtgtca tgtacgctgc tggcggttgc cacaaaaaa acccaagggg 540
gggaaggaaa cccccaaggg gctc 564

<210> 9467

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-A7

<400> 9467

gtcgacctac gcgttcgggtc attatagaac agctcattca atcagttgct tatatggtag 60
gaaacacatg caggcgtgcg agccacatg ctacagctca gcgcatgtgg aaagcaaattg 120
acagcaccca aaaggacagt tgcgtcaaca ggcactgggc aatataaaca tacggacgat 180
tggaacgaat catcaacaac aacaacagaa ggtggcatca atgggccaac taactgcca 240
tgaacatgt cacctacttg catcaggaga tgactgaata caaccaata gatctagcta 300
acggaattga ataccatgaa caacgtcagc tgcaacagtt gatacaagta gttaagcaac 360
tagtcatgca agaacgctgc acgatatgta catactacgt tcatatatcc atgtcgggt 420
ggagaatgct cctacatacc tactacaaca ggagctgcaa cataatgatg cagttctgac 480
tgagctaggt gatgaaaagc ctgatgtcta cttacaaca 519

<210> 9468
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-A8

 <400> 9468

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 agggacggta tcatcaaaga gaattggttg agtgacatca atgggcgctg atcaacgaat 120
 gagcaagcat tgggctacaa caagcggttg atgaaagcgc tgtagaaciaa tccaagtagg 180
 ccactcaciaa cagcaataca taggcacatt taacgataca aaccatctga tcgcagtagg 240
 cacaagcact gaccaccta gccgaggtga accctataca ctacttgga caacatgtgg 300
 ttgcatccaa cgcagttgct tgggcgtacg tacatggata ctaacaagag caacagatgc 360
 aacagtttct accagcgctc agtcaactag acatggtgaa ccctatagnc tacctacaac 420
 aggaacaacc tgtttc 436

<210> 9469
 <211> 325
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-N6-A9

 <400> 9469

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 agtcgctagt ggcagcacca atcctaggca catataaciaa tacagaccat tggaacgcaa 120
 cagcagacag caattactac cagcactgac acatctatgc atggtgaacc ctgccgccta 180
 cttgcaaatac ggtggctagc attagaccga cctgctctca gcaaacagag gtgtaaacca 240
 gacacaaciaa cagctgcaac agtttctgcc agggctcacc aaactaggca tgggtgaaccc 300
 tgccgatacc tacaacataa caact 325

<210> 9470
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B1

<400> 9470

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ggtaacacag gacaacttga catcttattg gctcaaggca aagagtatgt ctttgctgca 120
tactcagaca ccttagagtg ctatagtgcg acctcatgat cctaaacat cttatcaata 180
accagagcga gtactgcatg gaggttactc caaacacgct ctctgacaat aagggtggca 240
ctctcatctc ttacaaatga tgaggtcacc tgtcgtacat tgccaagta cccgattgag 300
catgtgaatg aatacaaata cattcagaca tagttaagat attcaacact aacatctagt 360
gggtgaacct taccgctctc aacagactca gaaacgctga ggcacttaac atagatatct 420
ttgcaaaccc cattgaacct gacgggtgtaa aagtcctcct tctcgaaac 469

<210> 9471

<211> 471

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-113-Q1-N6-B11

<400> 9471

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tgtcacacaa cttaatagcc ttgagcatca tgcgcctatc gtgaggtggc taattagcga 120
agaagctcac atcgattgcg cttcgcatca gtgtgcgctt tctgaatggc aaatgtgacg 180
cgccatgtag attaatatct agcgcaacgg gcgtggagag gacgctcagc tattgcgcta 240
cactttgcat tgttctatca ccagctagat tggctatatt tgattgcttt ctcagcgacg 300
tgtcgcctgg atatactcgt aaaggtgtaa aacgggtggc tgctttaggg ttccaattta 360
ctgctttatg gcgcctaaag cccaaaatat taattagctg gattgggtac gtagtgtgcc 420
actaccctga tatacggatc ttcgcgctgt gacgattgag taaaggttct t 471

<210> 9472

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B6

<400> 9472

atctatgaca agctggcacg cctgcgtgtg ccgggatgct atagaggggt cgaccctacg 60
cgttctgtat atttagatta gagtacatga taatactaac gatgatctac cgcagatagt 120
ggaaagacac taagatgtgt cgtggactaa catttataga ctattcacia gcagcctttc 180
agctagattc atatgacacg gaggacttgg caagaacatg atacgtgcta gtgggctagg 240
ctataagctg catgctacta tagttcacac acgcgaatgc taatatctca aggtatatag 300
tctggatcct gcaagaagct ggccatgaag cgaatcctga cttaaaatcc atgagcaggt 360
ctccaaaactc agcgtgagg aggcaatttt ctgccgatag gcacatgagg gctcggtaac 420
cgggggccata tgtctggatc aaataccttt cctttaggag gaagaaggcc atattgatgt 480
gtgcaaaaga actgaggag tatgggacta tttgtatact actgggcatt aagtgcattc 540
tttgagaaat ttctgagaaa tttaccgtac taccaagatt gat 583

<210> 9473

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B7

<400> 9473

atctatgacg agcttgcacg cctgcgtgag ccgggatgct ctagaggggt cgacctatgc 60
gttcgagata gacaatagac gtcctcattg gtgggcagac acttacagct tccatatgct 120
tctatgttct gtactgtagc gctgatgccg tatccatgag ggcacagtgc ttgctggctt 180
ctatggctga actg 194

<210> 9474

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-B9

<400> 9474

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tttttaattt ttttattttt tttttttttt ttattatttt aaaaataaat attttaaaaa 120

taaaaaaaac ggggggtcaa tctataatat caaagattaa tatcgagtgc atacaaggtt 180
 ttagtTTTTT tatagggtaa aaaaatttaa attaatggg cgttgTTTTa taacttggga 240
 aatggaaaaa ccttgaaata ttcaaaatta attgaattga agaaaattaa attttaaaaa 300
 tggggtgTTa taataaaaag gccattaaat ataatttttc taaaaa 346

<210> 9475
 <211> 530
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-C11
 <400> 9475

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 tgcctactct cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 120
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 180
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttattttac agcagcaaca 240
 actactacca ttCagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 300
 attgttgccg ttctaccagc acgctgcgcc taacgctggc accctcttac aactgcaaca 360
 attgctgcca ttcaaccaac ttgctttgac aaacccaaca gcattctacc aacaacccat 420
 cattggtggT gcctcttttt agatttctta tgagttatag ttcaataata aagttttttg 480
 tctgatgttt gtggcttncc agaaataaga agtacattt ctagattctt 530

<210> 9476
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-C3
 <400> 9476

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 ctacggTgga cctacgcaca tcggTccctg ttgacctaat acgcttatcc tagatgacgg 120
 tgaaattacc tgttcgaggt atcattgatc ttaacaatcg ccgggctaga ctccagtgcT 180

acttcgaccc gpgtactacg tactgacgtc ctctactgtt gcttcactgt tgttggggcc 240
tagatcggat cagatcaact ctttaattgcg ccataacttt ttagacagat catgcagctt 300
gtaaatcata cacagatgga ctacctgatg gaaaagggtga gcgcctgaca agagcgctg 360
aatatcacccg agacggaaga tattaataat atgacggaac caatgagata cctgatcttt 420
aagatgaat 429

<210> 9477

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C4

<400> 9477

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aatgggatga cgcgtgtgca aattaggggt tctagcacct atccaatttg tacgcagagg 120
tatagagcat tgggcccaca ctgtacaact gcatttatga atcataatga ggttcgggac 180
acatccataa tctatgaggc acaacatact aacttatatt tctgagataa gacactatgc 240
tataacatta cccatttcca ggctcttatg tttcaccaat atgatagcgt gaacaatctc 300
atcatgtaaa taattatgca tgatgatact tacaatataa ccaaccatgg atatttcgtt 360
gatttcatta aatacactaa attctagctc tccaatcaag atttaccat 409

<210> 9478

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C5

<400> 9478

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tcgategtca gaacgacgca gatcacccca gtcgttcaca cccaagcaaa tagcaccact 120
tataccccta aaaagtacat cagcagctac gtctattgcg gtgcagagat cctcctgcgg 180
gtacgcgtga agccgatgcg taactccctg acgcaatcta cgagtcgcgc gcgttctgga 240
gcttgcatatc aaaaccgcag ccgagcacat gccaccaatt cgatagaagg gtgactgcaa 300

gaacatgatc cggcaagaac agcaagatct gatcaatcga tatgaatcca aatctgacca 360
tctcgttcgg cttgaatgcc tgcaggtcta cctcacctg tgcacggagc tggcctcggc 420
ggcggcggac ac 432

<210> 9479

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C7

<400> 9479

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ggtgaaccct atcgcctact tgcaacaaca gctgcttgca tccaaccac ttgctgtggc 120
aaacgtagct gcataccaac aacaacaaca gttgcagcag cttctaccag cggtcagtca 180
actagccatg gtgaacccta tcgactacct acaacagcaa caacttcttt catctagccc 240
gctcgatatg ggcaatgcac ctacatacct gcatcaacag ttgatgcaac aacagttgct 300
gcaacaaatc gcaccagatc ttactcaact agctggggca aaccctgctg cctacttgca 360
acaactactt gcattcaacc aactgactgg gtgcgaactct gctgcgtacc tacaacagcg 420
acaacagtta cttaatccac tagcaggggc taaccattg gt 462

<210> 9480

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-C9

<400> 9480

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agcaacatac ctttatcacc cttgttgttt caacaatcgc cagccctatc tttggtgcag 120
tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 180
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 240
caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 300
ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 360

aacccccgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 420
aaccgtgctt ccttcttgac acagcaacag ttgctgcctt tctaccagca gtttgcggt 480
aacccccgcaa ccttcttaca actacaacaa ttgttgccct ttgtccaact tgctttgaca 540
gaccgagcgg cctcctacca acaacacatc attggtggtg cctcttttta gattgcttat 600
tagttggaat tcaataat 618

<210> 9481

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D1

<400> 9481

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aaccctgtca cctacttgca tcagcatatg atagaatcca acccactagg tctcgatagc 120
gtagctcatt accagtgtca tcaacaggtg ggacagttca tgccagggtgatgcaacta 180
gccatggata accctgacct gtacctacag ctactttcat ctatcctgct cggcggaggg 240
caatgcacat acgtacctac aacaacagtg gatgaagcaa atggtgccag ttctgactga 300
actcgctaga gcaaacccta gctcggctac ttacaacaga agctttcatt gaacgcaact 360
ggctgggtca aactctgctg gctacctaca acatcgacca cagtgactta atacatgggg 420
aggggctaac ccattggcat ctaccttctt gagcgagcta catcaattgc tgccatacaa 480
ccaggtatgt ttgatcaacc ctggcttgct agaacctatc gtaaaacttg ccatctgttt 540
agattacata tgatacgtag tcgacaat 568

<210> 9482

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D11

<400> 9482

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tgtggcgaaa acccaaaggg tgacccttac aggattcaac aggcagtcga accaggccta 120

ctaccattgt gacactaggg cactacaaca tcacatcagc cctattacat gaatggacct 180
tatggtgcag tctggtggca caaaacatca aggcacatca tctacaacaa cttgagctaa 240
caaacctggc tgcatactct caacatcatc agctgattgc atacaaccaa ctggctgcat 300
cgaactatgc tagctgattc ccaacagcaa ttaccattca accagctagg tgctgactac 360
caccacagtt tgctactcaa accaactagc atcatggaac tctgctgctt atgcacagca 420
gcaacaacta ctaccatgca gccagctagc tgatgtgagc cctgctacac tgttgacac 479

<210> 9483

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D4

<400> 9483

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aacaactgga ctcatcttat ggctcgggaa gccacaaaca tcaggcaaac aactttatta 120
gtgaactatt gctcatagga aatctaaaag agggcaccac caatgacggg ttgccggaat 180
aacgctaggg ggcggggcgg agcatgctgg ctgaatgcgc atcaccagcg cagtctgtaa 240
gagggtgaca acgcaaggct gcaaccctac aggataacaa caggcaactg acagctggat 300
taagaacgta gataacccta gaccatccaa cattcatgat gctattaca tgagctacct 360
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 420
aaccttgctg cctactctca gcaacagcag ttgcttccat tcaaccaact agctgcattg 480
aactct 486

<210> 9484

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D6

<400> 9484

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taagctgcag tctgagtctg tcaaggatgc catctcccag attggtgggg atgccaagga 120

gaacactagg aagttcactg agactgtgga actccagatt ggtctgaaga attatgatcc 180
acagaaggac aagcgtttca gtggctctgc taagttgccc catatacctc gttccaagat 240
gaaggtgtgc atgctcggcg atgccagca tgccgaggag gccgagaaga tgggacttga 300
ctacatggat gatgaggctc tcaagagggt gaacaggaac atgaagcctg ttaagaggct 360
tgccaagaag taccatgctc tcttggcatc agatgccatc atcaagcaca ttccccgggt 420
ccttggtgct g 431

<210> 9485

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D7

<400> 9485

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gccccggcct cagcctcatc ccagccaca cccatgcccg tgccaacagc cgcattcaag 120
cccgtgccag ctgcaggga cctgcggcgt tggcagcacc ccgatcctgg gccagtgcgt 180
cgagtttctg aggcatcagt gcagcccgac ggcgacgccc tactgctcgc ctcatgcca 240
gtcgttgccg cagcagtgtt gccagcagct caggcagggt gagccgcagc accggtacca 300
ggcgatcttc ggcttggctc tccagtccat cctgcagcag cagccgcaa gcgccaggt 360
cgcggggctg ttggcgggcg agatagcgca gcaactgacg gcgatgtgcg gcctgcagca 420
gccgactcca tgcccctacg ctgctgccgg cgggtgtccc cactgaagaa actatgtgct 480
gtagtatagc cgctggctag ctagctagtt gagtcattta gcggcgatga ttgagtaata 540
atgtgtcacg catcaccatg ggtggcagtg tcagtgtgag caatgacctg aatgaacaat 600
tgaaatgaaa agaaaaaagt attggtcc 628

<210> 9486

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-D8

<400> 9486

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ctaactccaa aaaccatgaa gctgggtgctt gtgggttcttg ctttcattgc tttagtatca 120
agtgtttctt gtacacagac aggcgggtgc agctgtgggc aacaacaaag ccatgagcag 180
caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat 240
caccagcagc agcaacacca acaacaacaa gtccacatgc aaccacaaaa acatcagcaa 300
caacaagaag ttcatgttca acaacaacaa caacaaccgc agcaccaaca acaacaacaa 360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca 420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag 480
caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
caatatcagc agggccagga aaaatcacaa cagcaacaat gtcattgccca ggagcagcat 600
cagactacaa ggtgcagcta taactactat agcagtagc 639

<210> 9487

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E10

<400> 9487

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tcgcaactag caacatataa agcacattat tgtaccaata atggcaaaac aatatatttt 120
gcctcattat gctacttgga ctttatagaa agggctcgct acaagcgagc attttccgcg 180
aaagctcaca tgctcctata aattcccttc tccccacatg acctctcacc agcgatgtct 240
taagaagtgt gaaaatccaa ttctcactac cctacaggat ccaacagcgc attcgcagta 300
ggcatcatac ctttatgacc ctctactt caacaatcat aaggcctatt acagcagtta 360
ccttcagagc atttataggc aaaaacatc agggcacaac aactacaaca actcgtgcta 420
gcaaaccctg ctgcctactc taatgaacag cagttacctt tggtgcatta gctggcacia 480
aacatcaagg cacatcagct acaacaacta agtgctagca aaccttgctg cctactctca 540
gcaacaacag tt 552

<210> 9488
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-E4

<400> 9488

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accactgaca catcatacat aaaagtttac ttatgcacca tgacttatat gcaagcgaaa 60
atacggcacc aacaatgata cattgctcac aagatcacta tatcagtcgg gggggcgcg 120
accttgaacg acaggagtcg tcaatgtggg aaaacgcagc cagccaaccg tacaggatgc 180
aacaggaact ggcaccacgg atgttaccat aataacgctt gatgcttcaa caaccgtaag 240
tcctataaca gcagttacct ttggtccatt tgagtggcac aaaacatcag ggcacaacaa 300
ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca gtttcttcca 360
ttcaaccaac tggctgcatt gaactctgct gcttattggc aacaacaatt accattcagc 420
cagctagat 429
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<210> 9489
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-E7

<400> 9489

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cctccctggt cggtcgatcg cgaggatgac gccggcgagc gtggtcgccc cgcccaggag 120
cgtcggggcg ttgcccttgg cggcggtccc ggcgcccgcg agggccgggg tgcgaggagg 180
cggccgggtcc tcgaggcccc cggcgtgcgg cggggacgac cagcagccgc cgtccatggc 240
cgcgatgccg gcgtcgctgc gcgccatcca ggccaggagg aagcaggagg cggcgcagcg 300
cggggtgccg cgggacgacg ccacgagcgc ggccgggtgc gccgtggcgg ccctcgtcaa 360
ggcgtgggag gccgtccagg gcgcggcggn cgggggcgcc gcggaggccg cgcgcggcgc 420
ccgggacgcc gtggcgtggg tggtcagcaa ggtccacc 458
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<210> 9490

<211> 348
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-E9

<400> 9490

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ctcacgagct ggcagtgcac cgtgaccacg ccgacctgcc agatgcatcc gggcacgccc 60
ttgacgggagc tcaagaggaa atgctgccgc gagccgaggg acatgccgaa ttactgccgg 120
agcacgggggc tgaagatcct catggactgt acgatgccgt ccagccccga cgcccagccc 180
gagggcctcc tacaggacct gacgatgctc accgccgagc gccagagggg atccgncatg 240
cccctcagca cggaggccga gtgcatcctg gccaccatca acgggagggc cggacgcatg 300
ccgaatgtcc gggggggcac gaaccaccgg aagttactga gaagagca 348
  
```

<210> 9491
 <211> 578
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-113-Q1-N6-F10

<400> 9491

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agctggcacg cctgcaggag ccgggcttca atagaggggc ggacctaggg gctcggtgaa 60
atcgaggagg accgtcgact gcccgaatac tataggcgtt gctccacctc ctgctgccgc 120
tgctgtgagg cgccggcagg accggccacc gctcttgcta acagcgcatg gaccggccat 180
cggcgtgacc ttctgattca cggcgtgagc tatacaccga gacgagccgc caagctgccg 240
ccggcacgcc accactcgga cctggggaat ctgatcgaac gtaccgcacc gatgttatag 300
aagagattct gcgggagcta atgctatgcc ggagtccatg agaaacaaga aagacagatt 360
ccacaggggac cggacaccac agatgaacac gcgcgcgaag ccatagacca gccggaaaga 420
tctgaccaca tgacagatat aaaggatgca gaggacccat actcactctg aacacctgag 480
cgcggtgaca gcagactcac atgaacggaa tgatgaaagg cctcatgata cgggtgagtcc 540
gaccgatata gtgcaagaca ctgctatgag aactatga 578
  
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<210> 9492
 <211> 454

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-113-Q1-N6-F3
 <400> 9492

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 cgcgctgac acgacagcag tggcggccaa cctgagcacg cacagttcga tcaacggcca 120
 ctaacaggtc gctggccacc gtgactgaga tcatagacag cagcagagac tgacgtagcc 180
 acactctgac acgntgggtga cagacatacc aatagaagat gatctgaate gccatgttga 240
 ccatgctact cagcagctga tctcctcgct gggcatctct agagcaagca actgtgcgcc 300
 actctccagg gcttaacact tacaatcgat agcaaggacg caccacgggtg aacatgggtgc 360
 ctactgatat aaagtggaa gtctgaagcc cttgctagta agcccacact agctagctga 420
 agatgaaccc gcagagatta gcctgctgca tgac 454

<210> 9493
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-113-Q1-N6-F4
 <400> 9493

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 ggggccgggtg ggagagggag aaggcggagg gcaacactaa cagggtccta taccacggct 120
 aaagacaacg cgaatcgcg gtttaacacc cgatgaccag tcccgtgcgg ggaccacaga 180
 tgcggacctg accccatcca tcaaggcdgg cgtgcagcga tgcagtgtag ggtaacttac 240
 caggaaggag atgctctctc tagaacaact gtgcagtact ttgttaatca gagtacaact 300
 accactattg tgcgggggaca tgcttggaag aatatggagg gtggcaggaa gcaccgacca 360
 gcgggcatag cctgacacga gcattctcag gggacggcac tgaggcaacg gtgttatgac 420
 acatgaacac aat 433

<210> 9494
 <211> 581
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G1

<400> 9494

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ggttgggtggg tccacctctc gccgtgcccc gccgtcgacc cgcctcagaa tcaaagataa 120
gtcaaaggaa aggtcgggtat gcgccggtgg ttttgcgtga cgaggtttaa tgcttcatac 180
cgtgaacatg aaaatgaacg tcccatcact ccagaggaga aagaaggaaa tggtttttct 240
gttaaaagtg atcccatcaa ggcaccacct tcctttgaag tccctgaatt atcatttgaa 300
gaattgaaag aaaagaccga caattttggt tcaatggctt tgattgggtga ggggtcatat 360
ggaagagtat attatgctat tctggacagc ggaaaacatg ttgctgttaa aaagcttgac 420
gcttcaacag accctgaact tgataatgag tttttgacac aggtatccat tgcctcaaaa 480
ctaaaacatg ataattttgt ggagatgctt ggatattgtg tggaaggaaa tcagcgtcta 540
gtggtctatg aatttgcgca atgggttctc tgcattgatat c 581

<210> 9495

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G10

<400> 9495

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tggaacattc gatgggacaa tcgcacacat atagaagaca taatggacat tcctactctg 120
ttctccaatc atagtagtgg aagcattcat cctcatacaa agagtgggtc cgttgctcca 180
actgaagggt tctctaattgc gaatagcctt ggaactagcc cttccaatgt gttccatgga 240
gcaaagtggc acatatctga taaaaaagtg gaagcacgca agggatcaaaa gtctgattct 300
cgagctaacc gctccacagc aagtaactct tctcctgaga caaagctgtc caggaaatca 360
ctggacatat caagtgtctc ttgagatttg aagactccag tgtctgatgc ttcaacgcca 420
cccttagtat ccagagcaga tccatcatac tacaaggggc attctcaacc tacagattca 480
gattcgatga agaaagcatg gcggtcacca gggtatcaat tatac 525

<210> 9496
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G3

<400> 9496

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tagtagcctt caatataaca tccatgagag aggataaggc caaatctaata caataattaa 180
ctgggggctcc tcatatggcg actaacatga ctgggtctaaa ctacgtcact ccgccgagtg 240
acagaaccaa agcaccatca cgcgaggcat cattcgcaaa acacgtgggg gcggattctg 300
atcctgctac cgctaagcac tcatttacat tacataacaa cagtgaagta tagacgttat 360
aga 363

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<210> 9497
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-G6

<400> 9497

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gaaacatttt tgctgtaaag gaggcgggtga aaggcagcaa ttgctgcagg tgaaaacacg 180
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aaggtagcac ctctaacaac cattagccgt attacatgga atacctgtgg cgcatgtata 300
ataaacaana catgacagtg cagcaactac aacaactgga gctaacaaac cttgggtggct 360
ac 362

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<210> 9498
 <211> 521
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H11

<400> 9498

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gaccctattg ccatgtacca cactgactcg attatcacca gcacatgcca agaaacagat 180
ggaagcgcgg gcaccggggg gcaggacgag gccacatctt gttcattttt cctgggctat 240
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catacatgag tgggtactac ccctatacag aaacctaacg gacactcact gcctgtactc 360
ccgaaataga ggaattaatc tacagcaaca tagataactg cgatcccaat tataaagctt 420
atgacaggaa gactgcgata atttgttcca tgagccgtga tcagccttgg attgaacatg 480
acaagtccac caggatatgc acggcctgaa cgctcgctg a 521

<210> 9499

<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H3

<400> 9499

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tgagtaccgt tgcttcgttg gcggcctcgc ctggggccacc gacgaccact ccctcaacaa 180
cgcttccagc acctacggcg aggtcctcga gtcgaagatc atcctggatc gggagacgca 240
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cgagggcatg aacggcaagg agctcgacgg ccgcaacatc accgttaacg aggcccagtc 360
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ctacggcggt ggcggtggag gctacggcgg tggctcgtgga ggctacggcg gcggtggggg 480
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agcggtgggg tccgctgagg cctagttatc ttgttcgctt ctgctaccgt gttcacccta 600
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<210> 9500
 <211> 534
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H4

<400> 9500

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gttattgaag gccgcacctg actgttcgct tgatcacact ctaatcaaat ctcaaagggt 180
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ggaagctgct gaccgtactg aagagatacg aagtacacac ccagccaagc tgtgtcgcca 360
gatacacata ctgtccaaac taatccaggg actttggggt tcagatgata agatcatcct 420
ggctcttactt gccacagacc tagcctgtgc acatctgagt gatagttatc agaccatgct 480
cgaaacactc gctctgcatg accaaaacgc tgatgtcggt atgggtcttac atct 534
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<210> 9501
 <211> 633
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H5

<400> 9501

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ttatgctact tccagctatg ccttttgtct ttttttagaa aaacttccag ttatgactta 180
attgttaata ttgacaatac cagtgtagga atactgaaat tagtcttgaa agtaagacat 240
tagttgctgc tgtttgcgtg atggccccta gcttgaggat actttgcgcg tactcttgcg 300
gatgctttgc cgtccatgt catctatagc ggacgctctg ctgtcgtgct gctggatggt 360
tgtctcgtct cctctcaggg gatgctctgc cactgcagtg tcttcgtctt tattggcaac 420
ctggagttga tgtgcttttc cttctgcagg ttcagtcggt tagattctat gtggagagtc 480
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cttcttactg cattttcttt ctatggttct ttgggtcggc ttaagttgct aaccacttct 540
 gtgcttttgt aatatgggcg acaggtctc tcagtagctt tgcataaaa caattctact 600
 tcccccta atagtacatg tgactctgac atg 633

<210> 9502

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H8

<400> 9502

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 tcggtagtat aggcaccaca acaactacaa caacttgtgc tagcaaacct tgctgcctac 120
 tctcagcaac atgcagtttc ttccattcaa ccaactaggt tcataagaac tctgattctt 180
 atttgcaaca tcaacaacta ccattcagcc agctacctgc tgccctacccc cagcaatttc 240
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 tgtttgtggc ttcccagaaa taagaaagta catttctaga ttcttaaaac aaatggggaa 600
 aaaggaaaaa actccttttg cttaaaaaaa agcaaaaagg ttttttaaaa caaattgttg 660
 aaatttttgg ggggcct 677

<210> 9503

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-113-Q1-N6-H9

<400> 9503

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ggccgtctga caaggcgagg tctagcggtg gacgctcacg gacctgcagc gctggcagga 180
 ggtccaggac agcccgtctg actcgtgccg acaggtccta gaccggcagc taaccggcag 240
 aagatgctgc cgtcgcgttg gtccgttccg gtggcgcacc gggctcccga tgcggtgctt 300
 ccagcagctt caggacgtga gccgcgagcg ccgctggggc gccatgcgga gcatcgacac 360
 gggatacgaa taggccatgc cgacgcttgt gataggctgg tggcatggga aggcggaggc 420
 cgccgccgct gccgctgcgt g 441

<210> 9504
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-A1
 <400> 9504

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 agtttatgcc agtgctcagt caactagcca tggatgaacc tgcggtctac ctacaactac 180
 tttcatctag cccgctcgcg gtgggcaatg cacctacgta cctacaacaa cagttgctgc 240
 aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc tacttacaac 300
 agttgcttcc attcaaccaa ctggctgtgt caaactctgc tgcgtacctt caacagcgac 360
 aacagttact taatccattg gcagtggtta acccattggt cgctaccttc ctgcagcagc 420
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 tcgttgaggg tgccatcttt tagattacat atgagatgta ctgcacaatg gtgccctcat 540
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<210> 9505
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-A3
 <400> 9505

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tcattattcc acagtgtca cttgtccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa cttagcgcttg 240
cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcc a tcaactgagcc 360
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tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa .caaattgtac 600
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<210> 9506
<211> 539
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-A5
<400> 9506

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acggtgcagg cggcggtcga cgcggtgccg ctgggcaacc gggcgcgcggt cgcatccgc 180
ctcgcgccgg gggctctacag ggagcctgtc tacgtcgcca agaccaagaa cttcatcacc 240
gtcgtgtcat gggacaacac cgccacgcgc atcaggcact cgcagtcac caggggtata 300
ggaactggaa cattcggctg tggtagcttc atcgttgagg gggaagattt cattgcagag 360
aatatcacgt ttgagaactc agctccccag ggctctgggc aggccgttgc agtccggggt 420
accgcagata ggtgtgcttt ctacaactgc cggttcctcg gttggcaaga cacattatac 480
ttacactacn tggaaacagt acttaagaga atgttatatt gaaggccatt gtgacttca 539

<210> 9507
<211> 661
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A6

<400> 9507

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aatgcgttc attattccac agtgctcact tgctcctagt gccattattc cacagttcct 180
cccaccagtt acttcaatgg gcttcgaaca tccagccgtg caagcctaça ggctacaact 240
agcgcttgcg gcgagcgcct tacaacaacc aattgccccaa ttgcaacaac aatccttggc 300
acatctaacc ctacaaacca ttgcaacgca acaacaacaa caacaacagt ttctgccatc 360
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caacccactt gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt 480
tatgccagtg ctcagtcaac tagccatggg gaaccctgcc gtctacctac aactactttc 540
atctagcccg ctgcgggtgg gcaatgcacc tacgtacctt caacaacagt tgctgcaaca 600
aattgtacca gctctgactc agctagctgt ggcaaaccct gctgcctact tacaacagtt 660
g 661

<210> 9508

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-A9

<400> 9508

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gtgtttcttg tacacagaca ggcggctgca gctgtggtca acaacaagc catgagcagc 180
aacatcatcc acaacaacat catccacaaa aacaacaaca tcaaccacca ccacaacatc 240
accagcagca gcaacaccaa caacaacaag ttcacatgca accacaaaaa catcagcaac 300
aacaagaagt tcatgttcaa caacaacaac aacaaccgca gcaccaacaa caacaacaac 360
aacaacagca ccaacaacaa catcaatgtg aaggccaaca acaacatcac caacaatcac 420
aaggccatgt gcaacaacac gaacagagcc atgagcaaca ccaaggacag agccatgagc 480

aacaacatca acaacaattc cagggtcatg acaagcagca acaaccacaa cagcctcagc 540
aatatcagca gggccaggaa aaatcacaac agcaacaatg tcattgccag gagcagcaac 600
agactacaag gtgcagctat aactactata gcagtagctc aaatctaaaa aattgtcatg 660
aat 663

<210> 9509
<211> 677
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-B1
<400> 9509

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gcttcccttc tcccccgta cctctcacca gcggtgtctt cggatatgtga aaaccaatt 180
cttcaacct acaggatcca acaggcaatc gcagctggca tcttaccttt atcacccttg 240
ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt attggcacia 300
aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgcctgc ctactctcag 360
caacagcagt ttcttccatt caaccaacta gctgcattga actctgcttc ttatttgcaa 420
caacaacaac taccattcag ccagctacct gttgcctacc cccaacaatt tcttccattc 480
aaccaactgg cagcattgaa ctctcctgct tatttacagc agcaacaact actaccattc 540
agccagctag ctgggtgtgag ccctgctacc ttcttgacac aaccacagtt gttgccgttc 600
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aaccaacttg ctttgac 677

<210> 9510
<211> 587
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-103-Q1-K6-B10
<400> 9510

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 tcagtgcagc ccgacggcga cgcctactg ctgcctcag tgccagtcgt tgcggcagca 240
 gtgttgccag cagctcaggc aggtggagcc gcagcaccgg taccaggcga tcttcggctt 300
 ggtcctccag tccatcctgc agcagcagcc gcaaagcggc caggtcgagg ggctgttggc 360
 ggcgagata gcgcagcaac tgacggcgat gtgcggcctg cagcagccga ctccatgccc 420
 ctacgtgct gccggcggtg tccccactg aagaaactat gtgctgtagt atagccgctg 480
 gctagctagc tagttgagtc atttagcggc gatgattgag taataatgtg tcacgcatca 540
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<210> 9511

<211> 681

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B11

<400> 9511

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 aaaatatatt gctccttat gctccttggc atttctgcaa gtgctgctac ggcgaccatt 120
 ttcccgcat gtcacaagc tcctatagct tcccttcttc ccccgtagct ctcaccagcg 180
 gtgtcttcgg tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcgca 240
 gctggcatct tacctttatc acccttggtc ctccaacaat catcagccct attacagcag 300
 ttacctttgg tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt 360
 ctagcaaacc ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactagct 420
 gcattgaact ctgcttctta ttgcaacaa caacaactac cattcatcca gctacctgtt 480
 gcctaccccc aacaatttct tccattcaac caactggcag cattgaactc tctgcttat 540
 ttacagcagc aacaactact accattcagc cagctagctg gtgtgagccc tgetaccttc 600
 ttgacacaac cacatttggt gccgttctac cagcagctg cgcctaacgc tggcacccctc 660
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<210> 9512
<211> 649
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B12

<400> 9512

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ggcaagggtcg ttgccaagtt tgttgggggc aagcacaagg gatcaaagac ttgtgtttgg 180
gtgcccacaaag ttcttgtttc taatgccaaa ggacccaaaa ccgtttgggt acctaaagtc 240
aagaactaaa tttgttttgt aggtttatgc atccggtggc tcaagttgga tactcgatag 300
cgggtgcaca aaccacatga ccggggagaa aaggatgttc tctcatatg agaaaaacaa 360
agatccccaa cgagcaatca cattcgggga tggaaatcaa ggtttggtca aagatgtggg 420
agttaaattgc gaatggaaat ctctgtgagca gctattcaag attatgtgcc acagtggaat 480
caatggacga aggaggtaat ggtggaggtc gggcatggat tgcaactgga agtgaaggag 540
aaatctatct cgcgttcttc aatctcgact ccatgagcag gaagatgacc gttgaaatat 600
cagaccttgg aaaggttctc ggaagatacc ttttggagaa aacccatgt 649

<210> 9513
<211> 633
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-B3

<400> 9513

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caagatccag gacaaggagg gcatccacc ggaccagcag cgcctcatct tcgccggcaa 120
gcagctggag gatggccgca ccctggcgga ttacaacatc cagaaggaga gcactctcca 180
cctggtgctc cgcctcagg gtggcatgca gatttttgat aagacattga ctggcaagac 240
tatcaccttg gaggtggaga gctctgacac cattgacaat gtgaaggcca agatccagga 300
caaggagggc attccccag accagcagcg tctgatcttt gcgggcaagc agctggagga 360
tgccgcgact ctgcgggact acaacatcca gaaggagagc acccttcacc ttgttctccg 420

cctcaggggt ggtatgcaga tctttgtgaa gaccctgact ggaaaaacca taaccctgga 480
 gggtgagagc tcggacacca tcgacaatgt gaaggcgaag atccaggaca aggagggcat 540
 cccccggac cagcagcgtc tgatcttcgc cggcaaacag ctggaggatg gccgcaccct 600
 agcagactac aacatccaaa aggagagcac cct 633

<210> 9514

<211> 662

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-B7

<400> 9514

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 caggtgggtgg aggtgccggc ggagctgggtg gcggcgggca gccggacgcc gtcgccaag 180
 acgaaggcgt cgcagctcgt ggggcgcttc ctggccgcgt ccgatccggc cgtgtccgtg 240
 cagctcggcg accacggcca cctcgcctac tcccacacca accaggcgct cctccgcccc 300
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 ngtcggctga gccagcagca cgggctgtca agcaagggcg ccaacgaggt gctcctcgtc 420
 atcgatgcct acaagacgt ggcgcaccgc gcgccctacc cggccagctt catgctcgcc 480
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 gcatctgacc ccgagggcag ggtgccgctc ttctggggga tcaccgccga cggctgcgtc 600
 gncttctccg acgacatcga cttgctcaaa ggctcatgcg ggaagtcgct cgcgccgttc 660
 cc 662

<210> 9515

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C1

<400> 9515

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 agctcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt cggtatgtga 180
 aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca tcttaccttt 240
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 ctactctcag caacagcagt ttcttccatt caaccaacta ggttcattga actctgcttc 420
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 tcttccattc aaccaactag cagcattgaa ctctcctgct tatttacagc agcaacaact 540
 actaccattc agccagctag ctgggtgtgag cctgctacc ttcttgacac aaccaagtt 600
 gttgcggttc taccagcacg ttgcgcctaa cgctggcacc ctcttacaac tgcaacaatt 660
 gct 663

<210> 9516
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-C10
 <400> 9516

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 ggcagcgtcg gcagcccgtt cctgggccag tgcgtcgagt tcttgaggca ccagtgcagc 180
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 cagatcaggc aggtggagcc gctgcaccgg taccaggcga catacgggtg ggtcctgcag 300
 tcttctctgc agcagcagcc gcagggcgag ctgcggcgcc tgatggcggc ccatgtagcg 360
 cagcagctga cggcgatgtg cggcctgcag ctgcagcagc catgtccctg cccttgcaac 420
 gcagctgccg gcggtgtcta ctactgagga aactatgtac tgtagtaata atgtaatgga 480
 gccgctgact agctacctag ctgcgtagtt tactcattta gcggcgatga gtaacgtagt 540
 gtcacccatc accatgggtg gcagtgtgag caatgacctg aatgaaccat tgaaatggaa 600

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632

<210> 9517

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-C3

<400> 9517

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ccacaacaag cgccngcggc gagcggccaa caacaaccaa angcccaann acaacaacaa 180
nccccgggcac aacnaaccan acaaaccaac ggaacgcaac agccacaaca ancncaccca 240
gcacngagcc aacaagccgc ggngaaccgc gacccccacn agcaacagca gagcnggca 300
gccaaaccac aagcncgggc aaacagagaa cgaaaccaac aacaacaacc ancgccacaa 360
ggnacaccag cgcccagnca acaagccaag gagaaccnng cccccaccg acaacagcca 420
caaccg 426

<210> 9518

<211> 585

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-C5

<400> 9518

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aattctctgt gcataacggc gtcagcgcgc ctgattatgg cttgttcagt gagccgtacc 180
tgttcgaccg gtccgagcag tactttgacg aggagcctcc aagggttctac agtccattga 240
gcagcgctcc tcggaggatg agggaccgga gctactcgca cttogatctc ccttcatact 300
ccatgagcag ccagcttgat ggtctattga tgagccagtg gccgccatac agccgcgccg 360
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cccgagtcaa cgagtgacaa gcaataccgt ctatcgctg catggcatga aagttaacat 480

gcattgcata tgtgtgggga atcatgctgc tcgcttttga cctgattgta ttggaattag 540
tcccccataa cagtgattta aaaattgggtt cctctgggtt aattc 585

<210> 9519

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D1

<400> 9519

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tggggaattt tagaccagaa tttggagggg actggaatgg gggacacatg gaagtggaga 180
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<210> 9520

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-D11

<400> 9520

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cgtegagttt ctgaggcatc agtgcagccc gacggcgacg ccctactgct cgcctcagtg 180
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gctgtagtat agccgctggc tagctagcta gttgagtcac ttagcggcga tgattgagta 480
ataatgtgtc acgcatcacc atgggtggca gtgtcagtggt gagcaatgac ctgaatgaac 540
aattgaaatg aaaagaaaaa agtattgttc ccaanaaaaa aaanaaaana aaaannnnnn 600

nnnnnnnnnn nnnnnnnnnn nnnnnnnnttt ttttaaaaaa aaaaaaaann aaaa

654

<210> 9521

<211> 675

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-D2

<400> 9521

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caatgtctgc aagctcttat agcttccctt cttccccctg acctctcacc agcgggtgtct 180
tcgggtatgtg aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cacagctggc 240
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ttgggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
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aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
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cagcaacaac tactaccatt cagccagcta gcntgggtgtg agccctgcta ctttcttgat 600
acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctcttaca 660
actgcaacaa ttgct 675

<210> 9522

<211> 695

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D3

<400> 9522

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tcgcaagctc ctatagcttc cttcttccc ccgtacctct caccagcggg gtcttcggta 180
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cctttatcac ccttggtcct ccaacaatca tcagccctat tacatcagtt acctttggtg 300
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 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420
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<210> 9523
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-D6

 <400> 9523

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 tttgtgagcg caacaaatgc gttcattatt ccacaatgct cacttgcctc tagtgccatt 180
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 cttgcatcca acccacttgc tctggcgaac gtagttgcaa accagcaaca acaacagcta 480
 caacagtttc tgccaacgct cagtcaacta gccatggtga accctgccc ctacgtacaa 540
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<210> 9524
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-D9

<400> 9524

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gcagcaacaa ctactaccat tcagccagct agctgggtgtg agccctgcta ccttcttgac 120
acaaccacag ttgttgccgt tctaccagca cggtgcgcct aacgctggca ccctcttaca 180
actgcaacaa ttgctgccat tcaaccaact tgctttgaca aaccacagcag tgttctacca 240
acaaccatc attgggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 300
agttttttat ctgatgtttg tggcttccca gaaataagaa agtacatttc tagattctt 359

<210> 9525

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-E12

<400> 9525

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tctacctgca cgctatgcct aacgctggca ccctcttaca actgcaacaa ttgctgccat 120
tcaaccaact tgctttgaca aaccaacag tgttctacca acaaccatc attgggtggtg 180
ccctctttta gattgcttat gagttatagt tcaataatga agttttttgg atgatgtttg 240
tggcgtccca gaaataagaa agtacatttc t 271

<210> 9526

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-E3

<400> 9526

gtcgaccacg ccgtccggcc gcccttagcg ccaactgcaca gacgcgcaga gacagacatt 60
gcgactttgc gagagacaaa acctcccaga taacgcccgc gcgcctcccc gatggcgctg 120
tcgtgccaga acgtggagat tcccggcaag ccgacggaga cggggacggc gctgctggag 180

acggcgacgg gcaccatcca ggggttcgcg ccgctgagcc agatccacca gcacctgtgc 240
gcgttccact tctacgcgga cgacatgggg cggcaggtgg aggcgcacca cttctgcgcg 300
cacctgaacg aggacgtgcg gcagtgcctc atcttcgacg ggcccggcgc cggcgcgcgcg 360
ctcatcggcg tggagtacat cgtctccgag acggtgttcc tgacgctgcc cgacgccgag 420
aagccgctgt ggcacacgca cgagttcgag gtgaaggcg gngtgctgtt catgccgggg 480
gtgcccgcg tggtagcg cggggacctg gagaagggtg caagaactac ggcaagacca 540
tccattctg gcaggtggac cgcggc 566

<210> 9527
<211> 698
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-E4
<400> 9527

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aaatattttg cctccttatg ctcttggtc tttctgcaag tgctgctacg gcgaccattt 120
tcccacaatg ctcaacagct cctatagctt ccttcttcc cccgtacctc tcaccaacgg 180
tgtcttcggt atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatgcag 240
ctggcatctt acctttatca ccttggttcc tccaacaatc atcagcccta ttacagcagt 300
tacctttggt gcatttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
tagcaaacct tgctgcctac tctcagcaac agcagtttct tccattcaac caactagctg 420
cattgaactc tgcttcttat ttgcaacaac aacaactacc attcagccag ctatctgctg 480
cctaccccca gcaatttctt ccattcaacc aactgacagc attgaactct cctgcttatt 540
tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct 600
tgacacacca cagttgttgc cttctacca gcagctgcg cctaacgctg gcacctctt 660
acaactgcaa caattgctgc cattcaacca acttgctt 698

<210> 9528
<211> 456
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-E5

<400> 9528

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cacgaagcag acggcgcgca agncgacggg cggcaaggcg ccccgcaagc agctggccac 120
caaggcggcg cgcaaggcgg cgccggcaac cggcggcgng aagaagcctc accgcttccg 180
cggcggcacc gtcgcgctcc gggagattcg caagtaccag aagagcacgg agctgctcat 240
ccgcaagctg cccttccagc gcctcgtccg tgagatcgcg caggatttca agaccgacct 300
ccgcttccag tcctccgctg tcgccgcgct gcaggaggcc gccgaggcct acctcgtggg 360
gctcttcgag gacaccaacc tttgcgccat ccacgccaag cgcgtcacca tcatgcccaa 420
ggacatccag ctgcgcgcc gcatacgggg cgagag 456

<210> 9529

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-F2

<400> 9529

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aagctactca aagtgcggtg gcaatcttga cagcagcaca atacctacca tcaatgtgcg 120
gcttgtacca ctcatctac caaaataatc catgcagcag caatgacatt agtgggtgtt 180
gcaattgaag aattgtgtct acctagccgt tatactccta taacggtgtt aagcaataaa 240
gtaccataca ttatgatgtt tgtactatga tatttgaata agaatactaa ttgtaattaa 300
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggaaaaaaag aaataa 356

<210> 9530

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-F3

<400> 9530

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tccaacaatc atcagcccta ttacagcagt tacctttggt gcatttattg gcacaaaaca 120
tcagggcata tcaactacaa caactggtgc tagcaaacct tgctgcctac tctcagcaac 180
agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat ttgcaacaac 240
aacaactacc attcagccag ctatctgctg cctaccnca gcaatttctt ccattcaacc 300
aactgacagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 360
agctagctgg tgtgagccct gctacctttt tgacac . . . 396

<210> 9531
<211> 510
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-103-Q1-K6-F6

<400> 9531

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tgatgaaggt gaccgtggaa gggagcggcg ccggcccgcc gcgggtcaag aggaggcgga 120
gtggcgcgcc tggcaggcgc cagagcggcg gcgtgagcgt gcggcgggcg gtgcaggtgg 180
acgcggcgac cgcgccagag ccggcgccgc tccagcgtct gcttgccgog tgccgccgog 240
cgttcggagg ccccgggacc gtgccggcg accacgacgt cgtcctcatc agagacatcc 300
tngacaagat gggaccagag gatgtgcacc tgagagccgt caccaaggcc gccgccgctt 360
ccggcgggcc tcgaacgcac cctgttcta tcatcacag aaccaccatt tataaatgca 420
agaacttctn ggtcgggggg ttctgctgc cccaagcgc gaccatnct ttgcacaacc 480
accgggggat gacggtgttc aacaagcttc 510

<210> 9532
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G1

<400> 9532

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 tccccccagc aatttcttcc attcaaccaa ctgacagctt tgaactctcc tgcttattta 120
 cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 180
 acacaaccac aattggtgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta 240
 caactgcaac aattgctgcc attcaaccaa cttgctttga caaacccaac agcattctac 300
 caacaacca tcattgggtg tgccctcttt tagatttctt atgagttata gttcaataat 360
 aaagtttttt gtctgatgtt tgtggcttcc cagaaataag aaagtacatt tct 413

<210> 9533
 <211> 656
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-G10
 <400> 9533

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 ttttccctcc ttatgtctct tgctctttct gcatgtgttg ctaacgogac aattttccct 120
 caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aatgatagct 180
 tcagtatgtg aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc 240
 aacatacctt tatcaccctt gttgtttcaa caatcgccag cctatctttt ggtgcagtca 300
 ttggtacaaa ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa 360
 gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta 480
 gctactgctt actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
 cccgctgctt atttgagca gcaaatacta ctaccattta gccagctagc tgcagcaaac 600
 cgtgcttctt tcttgacaca gcaacagttg ctgcctttct accagcagtt tgcggc 656

<210> 9534
 <211> 679
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-G11

<400> 9534

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gccaagatat tttccatcct tatgctcctt gctctttctg catgtgttgc taacgcgacc 120
atTTTTcttc aataactaca agctcctata gctgcccttc tcccccata ccttccatca 180
atgaccgctt cagtttgtga aaaccagcc cttcaaccct acaggctcca acaagcaatc 240
gcaacaagca acttaccttt atcacccctg ttctttcaac aatcgccagc cctatctttg 300
gtgcagtcac tggtacaaac catcaggga caacagctgc aacaactcgt gctaccagt 360
atcagccaag tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca 420
ttcaaccaac tgtctacact gaaccctgct gcttatTTac aacaacaaca actactacca 480
ttcagccagc tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg 540
gccgcaactga acccctctgc ttatttccag cagcaaatat tactaccatt tggccagcta 600
gtacaacaa gcccacttc ctttttgaac caacaacaat tgcttccgtt caccagcagt 660
ttgtggctaa ccccgcaac 679

<210> 9535

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G12

<400> 9535

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tggtctttct gcaagtgtg ctacggcgac catTTtccg caatgctcgc aagctcctat 120
agcttccctt cttccccgt acctctcacc agcgggtgtc tcggtatgtg aaaaccaat 180
tttcaaccc tacaggatcc aacaggcaat cgcagctggc atcttacctt taccacctt 240
gttctccaa caatcatcag ccctattaca acagttacct ttggtgcatt tattggcaca 300
aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca 360
gcaacagcag tttcttccat tcaaccaact aggttcattg aactctgctt cttatttgca 420
acaacaaca ctaccattca gccagctacc tgctgcctac cccagcaat ttcttccatt 480
caaccaacta gcagcattga actctcctgc ttatttacag cagcaacaac tactaccatt 540

catccagcta gctggtgtga gccctgctac cttcttgaca caaccacagg tgttgccgtt 600
ctaccagcac gctatgccta acgctggcac cctcttataa ctgcaacaat tg 652

<210> 9536

<211> 689

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G3

<400> 9536

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caatggcagc taaaatattt tgctcctta tgctccttgg tctttctgca agtgtgtcta 120
cggcgaccat tttccacaa tgctcacaag ctctatagc ttcccttctt ccccggtacc 180
tctcaccaac ggtgtcttcg gtatgtgaaa acccaattct tcaacctac aggatccaac 240
aggcaatcgc agctggcatc ttacctttat cacccttggt cctccaacaa tcatcagccc 300
tattacagca gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac 360
aacaacttgt gctagcaaac cttgctgcct actctcagca acagcagttt cttccattca 420
accaactagc tgcattgaac tctgcttctt atttgaaca acaacaacta ccattcagcc 480
agctatctgc tgctacccc cagcaatttc ttccattcaa ccaactgaca gcattgaact 540
ctctgctta tttacagcag caacaactac taccattcag ccagctagcc tgggtgtgagc 600
cctgctacct tcttgacaca ccacagttgt tgccgttcta ccagcacgct ggcctaacg 660
ctggcacccct cttacaactg caacaattg 689

<210> 9537

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-G5

<400> 9537

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tgagagtgag gtctgacgg atctgtcatc aatgcacggt ttggttggtg caaccggagg 120
tgggtcagtg atccgaccaa tcaattggag ttacatgaag aaagggtga ccgtatggtt 180

agatgtccca ctggatgcac ttgcaagaag aatcgctgct gtaggaaccg cgtctcgacc 240
 actcttgcac caggaatccg gtgacacctt tgcaaaggct tatgcaaac ttacgtcact 300
 ttttgagcaa agaattgact cgtatgctaa tgctgatgcc agagtttcac ttgaacatat 360
 tgcattaaaa caaggccata atgatgtcac tatacttaca cctagtagca tcgccattga 420
 ggcattgcta aagatggaaa gttttcttac cgagaagacc atggtcagaa actgacctct 480
 tgaatgagag ggaaaggatg ctgacaacat gtggcccttg tttgtttaat tgtacatata 540
 cctttgcatt attgcctaaa ctctttctac agtggtgttg gattattggt tgtgcagcat 600
 gaaag 605

<210> 9538
 <211> 609
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-G8
 <400> 9538

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 ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 120
 tctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa 180
 acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 240
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 300
 aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 360
 accaactgac agcattgaac tctctgctt atttacagca gcaacaacta ctaccattca 420
 gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 480
 accagcacgc tgcgcctaac gctggcacc tcttacaact gcaacaattg ctgccattca 540
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 ctcttttag 609

<210> 9539
 <211> 594
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H1

<400> 9539

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ttttggggag tgcaacaaat gcgatcatga tcccacagtg ctcacttgct cccagcgcca 180
tgattacaca catcctccct ccaggctacta caatgggcta cgaacacca gctcgcgcaa 240
gcctataagc tccaacacgc gcttgccgcg agcgccttat aacatcctag cgccactga 300
caacagcatt cctcggcaca tgctaaccat acacaccatc gcatccgcag cagcaacacg 360
cactgagcca cctatacgag gtgaacccta tcgactactg gcaacaacag ctgcttgcat 420
acaaccact cgctttggca aacgtagctg catacctaca acaacaacag ttgcaacagt 480
tgctacacac cgctgatgca actacgccat ggtgaaccct atggactacc tacaacatca 540
acaacttggt tcatactatc gccgtcgact tgggcaatgc acctacatac ctgc 594

<210> 9540

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-103-Q1-K6-H11

<400> 9540

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caatggcgac caagatatct tccctcctta tgctccttgc tctttctgca tgtgttgcta 120
acgcgacaat ttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc 180
ttccatcaat gatagcttca gtatgtgaaa accagctct tcagccctat aggctccaac 240
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ttcttccatt caaccaactg tctacactga accctgctgc ttatttgag caacaactat 480
taccattcag ccagctagct actgcctact ctgagcaaca acaacttctt ccatttaacc 540
aattggccgc actgaacccc gctgcttatt tgcagcagca aataactacta ccatttagcc 600

agctagctgc agcaaaccgt gcttccttct tgacacagca acagttgctg cctttctacc 660
 agcagtttgc 670

<210> 9541
 <211> 667
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-103-Q1-K6-H12

<400> 9541
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 ggtgctgata gttgcccttg ctctcctggc gctcgtgctg agcgccgctt ccagtacaag 120
 cggcggtctgt ggctgccaga caccaccgtt tcactctaccg cctccgttct atatgccgcc 180
 tccgttctat ctgccgccgc agcagcagcc gcagccatgg caatacccca ctcaaccacc 240
 gcagctaagc ccgtgccagc agttcggatc ctgcggcgtc ggcagcgctg gcagcccggt 300
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 gcagggcgag ctgcggcgcc tgatggcgcc ccaggtagcg cagcagctga cggcgatgtg 540
 cggcctgcag ctgcagcagc caggtccctg cccttgcaac gcagctgccg gcggtgtcta 600
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 ctcgcta 667

<210> 9542
 <211> 633
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-K6-H2
 <400> 9542

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gccaaagatcc aggacaagga gggcattccc ccggaccagc agcgggtcat cttegctggc 180
 aagcagctcg aggacgggcg cacacttgcc gactacaaca tccagaagga gagcacccctc 240
 caccttggtc tccgcctcag gggaggcatg cagatcttcg tcaagaccct cactggaaag 300
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 gacgggcgca cgctggccga ctacaacatt cagaaggaga gcaccctcca cttggtgttg 480
 cgtctcaggg gcggcatgca gatatttgtg aagactctga ctggcaagac tatcacccctt 540
 gaggtcgagt cttctgatac catcgacaat gtcaaggcca agatccagga caaggagggc 600
 atcccttcgg accagcagcg gctctttttt gcc 633

<210> 9543
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-103-Q1-K6-H6

 <400> 9543

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 ccctgttgcc tacttgcaac agctgcttcc attcaaccaa ctaactttgt caaactctgc 180
 tgcgtacctt caacagcgac aacagttact taatccattg gcagtggcta acccattggg 240
 cgctaccttc ctgcagcagc aacaacaatt gctgccatac aaccagttct ctttgatgaa 300
 ccctgccttg cagcaaccca tcgttgagg tgccatcttt tagattacat atgagatgta 360
 ctcgacaatg gtgccctcat accgacatgt gtttctaga aataatcaat atattgattg 420
 agatttatct cgataaaaaa aaaanaaaaa aaaaaaana nnannnnnnn nnnnnnnnnn 480
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<210> 9544
 <211> 653
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-103-Q1-K6-H7

<400> 9544

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aacaacaaca acaaccgcag caccaacaac aacaacaaca acaacagcac caacaacaac 180
atcaatgtga aggccaacaa caacatcacc aacaatcaca aggccatgtg caacaacacg 240
aacagagcca tgagcaacac caaggacaga gccatgagca acaacatcaa caacaattcc 300
agggtcatga caagcaacaa caactacaac aacttgtgtt aggaaacctt gctgctact 360
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tgcaacaaca actaccattc agtcagctag ctgctgcta cccccagcaa tttcttccat 480
tcaaccaact ggcagcattg aactctgtg cttatttaca acagcaacag ctaccaccat 540
tcagccagct agctgatgtg agcctgttg ccttcttgac acaacaacag ttgttgccgt 600
tctacctgca cgctgcgcct aacgctggca cctcttaca actgcaacaa ttg 653

<210> 9545

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-103-Q1-K6-H8

<400> 9545

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caggttgtgt acattctgga tcaagtcctg gctttggaga atgagatgct tctgaggatt 120
aagcagcaag gccttgatat cactccgaag atcctcattg ttaccaggct gttgcctgat 180
gctgctggga ctacgtgcgg tcagcggctg gagaaggcca ttggtactga gcacacagac 240
atcattcgcg ttccgttcag aaatgagaat ggcacctcc gcaagtggat ctctcgtttt 300
gatgtctggc catacctgga gacatacact gaggatgttt ccagtgaaat aatgaaagaa 360
atgcaggcca agcctgacct tatcattggc aactacagcg atggcaacct agtcgccact 420
ctgctgcac acaagttggg agtcactcag tgtaccatcg ctcatgcctt ggagaaaacc 480
aaatacccca actcggacat ctacttgga aagttcgaca gccagtacca cttctcttgc 540
cagttcacag ctgaccttat tgccatgaac cacactgatt tcatcatcac cagcacattc 600

caagaaatcg cggaagcaa ggacaccgtg gggcagtacg agt

643

<210> 9546

<211> 665

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A1

<400> 9546

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ctaactccaa aaaccatgaa gctggtgctt gtgggttcttg ctttcattgc tttagtatca 120
agtgtttctt gtacacagac aggcggctgc agctgtgggc aacaacaaag ccatgagcag 180
gaacatcatc cacaacaaca tcatccaca aaacaacaac atcaaccacc accacaacat 240
caccagcagc agcaacacca acaacaaca gtccacatgc aaccacaaaa acatcagcaa 300
caacaagaag ttcattgtca acaacaaca caacaaccgc agcaccacca ccaacaaca 360
caacaacagc accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca 420
caaggccatg tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag 480
caacaacatc aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag 540
caatatcagc agggccagga aaaatcaca cagcaacaat gtcattgcca ggagcagcaa 600
cagactacaa ggtgcagcta taactactat agcagtagct caaatctaaa aaattgcatg 660
aattc 665

<210> 9547

<211> 209

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-A2

<400> 9547

ccccaaacca aaancnnann nnangnggga nngancaagc anggagagaa ccanaacna 60
cagcncnngc acaagcnggc cngcnggaac cgaaggaggc cgaccccnng aannaaccg 120
ccaaggcaag ccngccccg ccaccnggcc cnnnggcaca aacagaagcn gaacggggga 180

acnnacccan ncnnaaacga annagagca

209

<210> 9548

<211> 687

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A4

<400> 9548

cccggttcga ccatgcgtcc gcgatgaatt caatgatgat caaaatgtca tccacttgat 60
ggctaaatca ttgcttgaga aatttgaaga gaagtggctc cattttcttc ttaaagtga 120
gagtgaggaa aaaagacaaa aggaggagga atcaaagggt gttgcagcca caaatacttc 180
tcgagaagtt gcaattgtgg gattagcaaa agacactgat gatgagatca acaggaagct 240
ggaggagctc cggaatatgg tggttcacag atgcaggaaa atgacgacag atgagaagag 300
gaagctgggt gcaggtatct gtcacttgtc tccagatgat cttagcaagg cgctagagat 360
tgtgcacaa gacaatccta gcttcagac taaagcagaa gaagtggatc ttgatatgga 420
tgcccagagc gagacaactc tatggaggct gaaattcttt gtgagggaag cgctggaacg 480
acaggccaac gttgcctctg ggaagatgga cgaaaacgcc aagagaaaga gggagatatg 540
caatgctctg gccaaaacca cctcgagacg gatcaagaag cagccctagc catcttccat 600
atatttcact cgcgtcctct gattgtttag aagttctttt ttgatacta gccaccagct 660
ttgtgaaacg ttttctgca ttttttt 687

<210> 9549

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A5

<400> 9549

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gatattttcc ctccctatgc tccttgctct ttctacatgt gttgctaacg cgacaatttt 120
ccctcaatgc tcacaagctc ctatagcttc ctttcttccc ccataccttc catcaattat 180
agcttcagta tgtgaaaacc cagctcttca accatatagg cttcaacaag caatcgagc 240

aagcaacata cctttatcgc ccttgttgtt tcaacaatca ccagccctat ctttgggtgca 300
gtcattggta caaaccatca gggcacaaca gctgcagcaa ctcgtgctac ctgtgatcaa 360
ccaagtagct ctggcaaacc ttctcccta ctctcagcaa caacaatttc ttccattcaa 420
ccaactgtct acactgaacc ctgctgctta tttgcagcaa caactattac catttagcca 480
gctagctact gctactctc agcaacaaca acttcttcca ttttaaccaat tggccgcact 540
gaaccccgct gcttatttgc agcagcaaact actactgccca tttagcgagc tagctgcagc 600
aagtcgtgct tccttcttga cacagcaaca gttgct 636

<210> 9550

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-A7

<400> 9550

cgtcgggggtt ctgaaccag ccctgtggga tcttgggtcg gcagtcgttc gtcgatgcta 60
tcgcagtggc tgtgtcgtaa ggaggaagat tttgtcatgt tggacactgg cgtggggggc 120
atttccttcg ggaatgtggt cagcccaaag taaagacgac gcgtggtgcc caacgtgaca 180
cactcaatgt caatctgcaa ggatttctgt tgggtgtgct acacttactt caacaagtac 240
ttttgattct ggtgacagaa agactatcat tgacagtggg acacctggca tatcttccga 300
gggaagtata ggactttgtt ggctgctggc ttgataagta ccaagatctg cccttacata 360
attatcaaga cttcgtgtgt tttcaatttt ctggaagtat agatgatgga tttcccgtaa 420
tcacctctag ttctgaggga gaccttacac tgaatgttta cccagatgat taccttttcc 480
agaacaggaa tgatttatac tgtatgggat tcctggatgg tgggtgtacag actaaagatg 540
ggaaagatat gtcctcttta ggagacctgg tcctctcaaa caaactagta gtttatgact 600
tggaanaaga agtattggat ggacagac 628

<210> 9551

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-A9

<400> 9551

ccgggnngac cttagcggtccg cccttttctaa cggggcgggcc cngcggggga gcgtgacctg 60
ccaagagatt atcacactgg ggagccaaga ggatttgggt tcgtggagtt cgttgatgct 120
tatgacgctt ctgaggcaca gtaccacatg aatcgccaga tgtttgctgg gcgtgaáata 180
actgttgtag ttgctgcggg ggcacggaaa aggcctgagg acatgcgtag acaaactgga 240
ccaagagggtt attctggtca tgaaggggct cgtccgaatc gtcattggtgc aggacgggtcc 300
cgttctcgtt catactcgcg ttcccgctca ccacgcctc gtggtcgtgg tagatcacag 360
tcatactccc ctgccccgaa aaggcgtgat gactactctg ctccccacc ccgggcaaag 420
gaagagcacc cgagggtcatc aaaacagcct aaagaaaata acagggatag gaggagatcc 480
tatactcctg atgatataaa tgatcgccgt ggtgcagaca atggtcgtga tgagaggaag 540
aggtccccag caggcgagga ggatgaggag 570

<210> 9552

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B4

<400> 9552

ccggctcaca ggaaagtgtt cgtcctcatg gcgcggccgc agccgaagtc gggcctcttc 60
gtgggcatca acaagggcca tgctgtcacc aagcgcgagc tgctctcgcg cccgtccac 120
cgcaagggga aagcaacgaa gagggtgtcc atggtcaggg gcctgatcag agaggttgct 180
ggctttgctc cttatgagaa gcgtatcacc gagcttctga aggttggcaa ggacaagcgc 240
gctctgaagc ttgccaaagag aaagcttggg actcacaaga gggcaaagaa gaagagagag 300
gagatgatgg gcgtcctcag gaagatgaga tcggctggta cgcacactga caagaagaaa 360
taaagcattt caagttcatg aatgtggcag ccagagatta tcaactgtgt tttttcccta 420
cctctagaaa ctagacatgg caaagtattt ttgaccgaaa cattgtttgt tagtaatgta 480
ttgaaccacc tcgtggtatt ttgcccc 507

<210> 9553

<211> 671

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-B8

<400> 9553

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gcatcattgt catctgtttg gatgaacttc tccagaaagg ttatggtttg ggatctggta 120
tttctctgtt cattgctacc aatatcntgt gagaatatca tctggaaggc atttagcccc 180
acaaccatca acagtggtcg tgggtgctgaa ttcgaagggg ctgtcatggc actgttccat 240
ctggttgatta cgagaaccga taaagtccgt gctcttcgtg aggctttcta ccgccagaac 300
cttccaaatg tgaccaatth gcttgccact gtcttggtat tctctatagt tatctatttc 360
caaggcttcc gtgttggtgt tccagtgaga tcaaagaatg ctctgggcca gcaaggctca 420
tatccaatta agctgttcta cacttcaaac atgcccatca ttcttctact tgcgctgatt 480
accaacctct attttatata ccagcttctc tacaggaagt acagtggaaa ctctcttgtt 540
aaccttcttg ggaagtggaa ggagtctgaa tactctggcc attctattcc tgttggtggg 600
cttgcttact atgtaactgc cccatcaagt ttggctgatg tccttgcaaa tccattccat 660
gcactgtttt a 671

<210> 9554
<211> 270
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-B9

<400> 9554

cagccagtta gctgggtgtga gccctgctac cttcttgaca caaccacagt tgttgccgtt 60
ctaccagcac gctgcgccta acgctggcac cctcttaca ctgcaacaat tgctgccatt 120
caaccaactt gctttgacaa acccagcagc attctaccaa caaccatca ttggtgggtgc 180
cctcttttag atttcttatg agttatagtt caataataaa gttttttgtc tgatgtttgt 240
ggcttcccag aaataagaaa gtacatttct 270

<210> 9555

<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C10

<400> 9555

cagcatcttc aatttcttcc attcaaccaa ctatctacac tgaaccctgc tgcttatttg 60
cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca acaacaactt 120
cttccattta accaattggc cgcactgaac ctgctgctt atttgcagca gcaaataatta 180
ctaccattta gccagctagc tgcagcaagc cgtgcttctt tcttgacaca gcaacagttg 240
ctgcctttct accagcagtt tgcggctaac cccgcaaccc tcttacaact acaacaattg 300
ttgccctttg tccaacttgc ttgacaaac ccagcagcct cctaccaaca acacatcatt 360
ggtggtgccc tcttttagat tgcttattag ttgtaattca ataataaagt tttttggatg 420
atgtatgtgg ccaaccagaa ataagaagtt acatttccag attct 465

<210> 9556
<211> 534
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-C11

<400> 9556

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aacaaaagaa nagngccaaa gnnacagaa ancnccccg nggaggacgc gaacnacccn 120
nacagcgc nancgcgnc ggnccgaaa gacnganca aacacggcac cgaccanaaa 180
gggancncc agcccagacc gccaccggag aagaagggcc cggagcnang gnnnacaca 240
gagcncaaaa cnaggaccag cnccancag cncgcanac gcanggacaa ccngnaccnc 300
nggggcnnca ggacccccgg cggggggggg ngggagnncg gcaaggacgg cgacaccac 360
cncncggcg acaacccag gnggcncggc nncggcggca gggaccagga ccncancggc 420
aacaagggnc nggagaccgn caccangggc cgcgccgaaa ggaccagngc cgncaacgac 480
ccggcgaaga agaagaagaa ggcgacaccg gaggaggagg aggggcagan gcag 534

<210> 9557
<211> 599
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C3

<400> 9557

cttgatttta ctgctagctt cgcccttatt gggcttaact ctgctctaata tacaatgat 60
tagctgctgg agctctataa gtatagtcag ctctaacttc ctgaccgaca aatctgctgc 120
tttctcttca atccttcaaa gctaggaact aactgaaaca aactctgaag aagacgaaaa 180
caactactg aactcgaacc aacttgaaac aaactcagtc acttggtgat gatagttgtt 240
tcttgcatca cagatcacac ttggtctatg tcggtgaaag gatccacatc agtgggtatta 300
ttttttgtat agactataga gtatatttga gattcttaac ttgagaaatt aactgatgat 360
gactgatcct tcctcggcaa ggtcattagt aggaggtcag catgtttaac tccaatacct 420
aatttgagaa gggagcaagc aactcaactc tgggctaata ggggttgatc tcttggcaca 480
tttatgttga caagagattg ttaggaact aggaacatga ggagcacacg agggtagaga 540
tggcaggtaa gaggaggggg tacagtagtg caatgaccaa caatgcaact gtgatggag 599

<210> 9558
<211> 622
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-C5

<400> 9558

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ctagcctacc atggctgac accaccgggg cgcgacggga ggtggcgggg gctacggcga 120
cctccagcgc gggggcggca tgcacggcga ggcgcagcag cagcagaagc agggcgccat 180
gatgacggcg ctcaaggccg cgacggccgc gaccttcggc gggtcgatgc tgggtgctgc 240
cgggctgac ctggccggca ccgtgatgc gctcacggtg gccacccccc tgctgggtgat 300
cttcagcccc gtgctggtgc cggccgccat cgcgctggcg ctcatgggcg gccgggttcg 360
tcacctccgg cggcctcggc gtcgctgcgc tgctcgtgtt ctctggatg tacaagtacc 420
tgacgggcaa gcacccgccc ggcgcccacc agctggacca cccaaggca aggctggcgt 480

ccaaggcccg cgacatcaag gatgcagcac agcaccgaat cgaccaggcg caggggtctt 540
gagagaagaa cacactcgag cggaccgcg gcgcgacctc cttgaaccac tgccggcgcg 600
gcggcatatg gcccttaaag gc 622

<210> 9559
<211> 662
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-C6
<400> 9559

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ccaccaccac aacatcacca gcagcagcaa caccaacaac aacaagttca catgcaacca 120
caaaaacatc agcaacaaca agaagttcat gttcaacaac aacaacaaca accgcagcac 180
caccaccaac aacaacaaca acagcaccaa caacaacatc aatgtgaagg ccaacaacaa 240
catcaccaac aatcacaagg ccatgtgcaa caacacgaac agagccatga gcaacaccaa 300
ggacagagcc atgagcaaca acatcaacaa caattccagg gtcattgaaa gcagcaacaa 360
ccacaacagc ctgagcaata tcagcagggc caggaaaaat cacaacagca acaatgtcat 420
tgccaggagc agcaacagac tacaagggtc agctataact actatagcag tagctcaa 480
ctaaaaaatt gtcattgaatt cctaaggcag cagtgcagcc ctttggtaat gccttttttc 540
caatcacgtt tgatacaacc aagtagctgc caggatttgc agcaacaatg ttgtcatgat 600
cttaggcaga ttgagccaca atacattcac caagcaatct acatcatggg tcaatccata 660
at 662

<210> 9560
<211> 659
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-C9
<400> 9560

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagecgggtg tcttcagtat 180
 gtgaaaaccc aattcttcaa ccctacagga tccaacagge aatcgagca ggcattctac 240
 ctttatcacc cttgttcttc caacaaccgt cagccctatt acagcagtta cctttggtgc 300
 atttgttggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
 ctgcttattt gcaacaacaa ctaccattca gccaaactagc tgttgtctac cccagcaat 480
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 taccaccatt caaccagcta gctgatgtga gccctgctgc cttcttgaca caacaatagt 600
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<210> 9561
 <211> 663
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-D1

 <400> 9561

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 gaggttgact ttctgtttgc acattgcctg ggcaaataac ttctgatcgt ctaggtccaa 180
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 ctatcatgga acttatgatt gcagcgagaa aagcagttcc tgagttgcaa ttggtgtatg 420
 gcattgctgt tgacagagcc tacactggca cacttatgac atcacttgat atggcaggat 480
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 aagctccagc ttggcctggt ggttctgaag gaaaccgtcc accagcaaag ttttctgttc 600
 ctctaccacc atcaccttca atgaaggatg acgagattct tgctccatct cangagctga 660
 gca 663

<210> 9562
 <211> 640
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D10

<400> 9562

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 atgcaccacg aggcattca ggaggtctt ccgggtgaca atgttggtt caacgtgaag 180
 aatgttgctg tcaaggatct caagcgtggg tttgtggcct ccaactccaa ggatgaccct 240
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 ggcaacggct atgcccctgt gctggactgc cacacctccc acatcgctgt caagtttgct 360
 gagtcatta ccaagatcga caggcgtctt ggcaaggagc ttgagaagga gccaaagttc 420
 ctgaagaacg gtgatgctgg tatggtgaag atgataccca ccaagcccat ggtggtggag 480
 acattctcag cgtatcctcc ccttggtagg tttgctgtcc gtgacatgag gcagacggtt 540
 gctgttgag tatcaagagt gtggagaaga aggaccaac cggcgccaat gtgaccaatg 600
 ctgctgcca gaagaaatga tgcgatcctg cgctgcttt 640

<210> 9563
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-D11

<400> 9563

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 cagccccgna nnngacgggg ggggcccnga cgccagccnc gnggcncgag nacagggagn 180
 cgcnaaccag angggcgacg ngcgccagnn gnacaccgnc gngnncagg agaggccgcn 240
 caagggcncc acgncgnc caaaggcgc gangacagaa gggncagacg agngggcgan 300
 cnacggngga accggagngn ncgcgaaggc gagaggcgc anaaggagaa cgnnnncngc 360

cgacacgagc ggcgggaacc ccgacgagcn ngccngggag gnnncnccgcc cgggggggccg 420
cccggcggcg nngggcncaa cgncgncaca gccagcagca aaggacanca g 471

<210> 9564

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D12

<400> 9564

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accagcggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctatagga tccaacaggc aatcgcagct ggcattcttac 240
ctttatcacc ctgtttcttc caacaatcat cagccctatt acagcagtta cctttggtgc 300
atattattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacaa cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc taccctcagc 480
aatttcttcc attcaaccaa ctgacagctt tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
aattgttgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta caactg 656

<210> 9565

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-D9

<400> 9565

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acaaccttct acataattgc ccctgttggt tctacactaa tctatgcgga gagggagcta 120
cggcagtaga gatgagctga tgtatgtcga tttgatctta accaaacctc tgttttaagc 180
ttcggcgggg gaggaaaaaa aaaaattttg gagg 214

<210> 9566
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-104-Q1-K6-E1

<400> 9566

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 cagnccnncc tgcagcagca gccgcagggc gagcncgcgg cgctganggc ggcccaggna 120
 gcgcagcagc ngacggcgan gngcggcctg cagctgcagc agccaggnc cggcccngc 180
 aacgcagcng ccggcggggg cgacnacnga ggaaaccang nacngnagna anaangnaan 240
 ggagccgcng actagcnacc nagnncgna gnnnacncaa aaagcggcga ngagnaacgn 300
 agngncaccc aacaccangg gnggcagn gn gacgaangac cngaangaac canngaaang 360
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<210> 9567
 <211> 654
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-104-Q1-K6-E10

<400> 9567

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 tcattattcc acagtgtcga cttgtctcta gtgccattat tccacagtcc ctcccaccag 180
 ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
 cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
 ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
 acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
 ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
 tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540

cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgccta cttacaacag ttgc 654

<210> 9568

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-E11

<400> 9568

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nanccacaag ncacnngccc aggccannan ccacagnncc cccccagggg cggggggggc 120
nncgaacacc cagcagngca agccnacagg cnacaacaag cgcnnngggc gagcgncnna 180
caacaaccaa nngcccaann acaacaacaa nccnnggcac ancnaaccan acaaaccanc 240
gcaacgcaac agcaacaaca annncnacca gcacngagcc aacnagcngn ggngaaccn 300
gncgcnacn ngcaacagca gnngcnngca nccaaccac nngcncnggc aaacaaagnn 360
gcanaccaac aacaacaaca anngcaacag nnncaaccag cgcncagnca accagcc 417

<210> 9569

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E12

<400> 9569

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ttatttgcag cagcaaatac tactgccatt tagcgagcta gctgcagcaa gtcgtgcttc 180
cttcttgaca cagcaacagt tgctgccttt ctacaagcag tttgcggcta accccgcaac 240
cctcttacia ctacaacaat tgttgccctt tgtccaactt gctttgacaa acccagcagc 300
ctcctaccaa caacacatca ttggtggtgc cctcttttag attgattatt agttgtaatt 360
caataataaa gtttttttga tgatgtatgt ggccaaccag 400

<210> 9570
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E3

<400> 9570

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gtcgacttgc gtccgagaca tctttcacat taaagacagg gggggccaca atggcaccaa 60
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cccacaatgc tcacaagcta gtatagctac cttgcttccg ccatacctct cactatcagt 180
gtcgggagtg tgtgaaaacc caatttttga accatacaag atccaacagg caatcgcaac 240
aagcatctta cttttatcac ccttgatcct gcaacacccg acagccctat tacaccaaac 300
acctttggtg catttggttg cacataacat cgaggcgcaa caactacaac aactattgct 360
aggaaacca gctgctctac tctcagcaac ag 392
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<210> 9571
 <211> 656
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E5

<400> 9571

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atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg tgaaaacca 180
attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc tttatcacc 240
ttgttctctc aacaatcatc agccctatta catcagttac ctttggtgca tttattggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc tgccctactct 360
cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg 420
caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca 480
ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca actactacca 540
ttcagccagc tagctgggtg gagccctgct accttcttga tacaaccaca gttggtgccc 600
ttctaccagc acgctgcgcc taacgctggc acctcttacc aactgcaaca attgct 656
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<210> 9572
<211> 659
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-E7

<400> 9572

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ggaagggagg aagaaagcgg atccatggcg tcgaagcgga tctcaagga gctcaaggac 120
ctgcagaagg atcctccac ctcttgacgc gcaggccctg ttgccgaaga tatgttctac 180
tggcaggcga cgattatggg gccatcagat agcccatagc ctgggtggcgt atttttggtc 240
actattcact ttccaccgga ctaccattc aaaccaccga aggttgcatt caagacgaag 300
gtttaccatc cgaatatcaa cagcaacggg agcatctgtc ttgatattct gaaggagcaa 360
tggagccctg cactgacagt ttctaaggtc ctctctcaa tttgttccct tctgacggac 420
ccaaaccctg acgatccgtt ggtcccagag attgctcact tgtacaagac tgatcgctg 480
aagtacgaat cgactgctag gagctggact cagaaatatg caatgggctg acaagctatt 540
ggtctctcgt agacctaaag cacgtactgc cttctgtaac tgaaaccaga tgtctaaatt 600
aatttgtcca ttcgtgcac gaacttttga tatataatgg aaggaggaac attgatagt 659

<210> 9573
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F11

<400> 9573

cggtcgacc atgcgtccgc aagcctttgc cagctgcatg gaacctgcgg ggtgggcagc 60
acccgatcc tgggccagtgc cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg 120
ccctactgct cgcctcagtgc ccagtcgttg cggcagcagt gttgccagca gctcaggcag 180
gtggagccgc agcaccggtg ccaggcgatc ttcggcttgg tctccagtc catcctgcag 240
cagcagccgc aaagcggcca ggtcgcgggg ctgttggcgg cgcagatagc gcagcaactg 300
acggcgatgt gcggcctgca gcagccgact ccatgccctt acgctgctgc cggcggtgtc 360

ccccactgaa gaaactatgt gctgtagtat agccgctggc tagctagcta gttgagtcac 420
 ttagcggcga tgattgagta ataatgtgtc acgcatcacc atgggtggca gtgtcagtg 480
 gagcaatgac ctgaatgaac aattg 505

<210> 9574

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-F6

<400> 9574

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 gctggcacc ctttacaact gcaacaattg ctgccattca accaacttgc tttgacaaac 180
 ccagcagtggt tctaccaaca acccatcatt ggtgggtgcc tcttttagat ttcttatgag 240
 ttatagttca ataataaagt tttttatctg atgtttgtgg cttcccagaa ataagaaagt 300
 acatttctag attcttatgt gcttctagtc ttcaaatgtg gttgatagtt attgttgggg 360
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<210> 9575

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-G11

<400> 9575

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 caattttccc tcaatgctca caagctccta tagcttccct tcttccccca taccttccat 180
 caatgatagc ttcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa 240
 tcgcagcaag caacatacct ttatcacctc tgtttcaaca atcgccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat 420

tcaaccaact atctacactg aacctgtctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg 540
cactgaacct cgctgcttat ttgcagcagc aaatattact accatttagc cagctagctg 600
cagcaagccg tgcttccttc ttgacacagc aacagttgct gcctttctac cagcagtttg 660
c 661

<210> 9576

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G2

<400> 9576

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gcnccnnggn cnnncngcaa gagcagcnac ggcgaccann nccccgaaa gcncgcaagc 120
nccnanagcn ncccnnncnc ccccgcnacn cncaccagcg ggggcggggg gangngaaaa 180
cccaanncnn caaccnaca gganccaaca ggcaancgca gcnggcancn naccnnnanc 240
accnngnnc cccaacaan cancagccn annacaacag nnaccnngg ngcannnann 300
ggcacaaaac aacagggcac aacaaccaca acaacnngng cnagcaaac 349

<210> 9577

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-G4

<400> 9577

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tcagaaataa cagccctcga gttgaaagta gcatgcttga accagcaagt ccgtacctgc 120
cagacatata cggacaaaga aggcctcagg caacagcaga tgatgggggc tgccagaaga 180
gaccataacc attacatcgt accatatgcy ggaacaaaaa gaatgcaggc cttctctgtt 240
acgcaagccg atgctgattt cgacccaacg ccaaggcctt tctcttcagc aaggaccctt 300

gagtggcatt tggtttccga gaagaattcc aaaaccagta gaccagatca gtctgaaatt 360
gccttaggag aaacaaaaac tactaaggct tcgtcaagtg gtttccgcct tctcggttaag 420
gaatcatctg catctccctt gtccaggaat gtgcattcca acataaccag tttggatatt 480
gtcagtgccg gcatgaagga tcagccacg accaggcact tgtcatcatt cagttctttg 540
gacaacccca gggggcgcca aatccagaag gtcgcgttc gcacaaaaag tatgctagcc 600
gttttctttg tctacacaga tcagcanaga tgaaaaacgt ctctgtgcgt tgatcaactg 660
caagc 665

<210> 9578
<211> 523
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-104-Q1-K6-G5
<400> 9578

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ctgagttctga tcttttttgg cattaataaa tgtgttgttc ttggatcaca aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gggggggggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaagggg gggggccctt ttaaaaaaac aaagtttact tccccgggat tgaaagttaa 300
aagttttttt ttagggcacc caaaaaaaaa ttaacgggcc gggtttttaa aattggggaa 360
cggaaaaaac cctggcttac ccaaattaaa tggcttgaa aaaaatcccc tttttccaag 420
tggggaaaaa aaaaaaaagg cccaacaaa tcccctttca aaaaattggc ccatcctaaa 480
tggaattggg aacccccctt ttagggcca ataaagccgg ggg 523

<210> 9579
<211> 677
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-104-Q1-K6-H11
<400> 9579

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 agatgagcca ggaccaggag aacggaggca ccaacgggca gcacgccgcc gacgtgatgg 180
 aggtggagcc gaagcgccgg gcgcccgggc tgaacgagcg catcctgtcg tcgctgtcgc 240
 ggaggtccgt cgccgcgcac ccctggcacg acctcgagat cggtcctgaa gctccggccg 300
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 acggcttcgt gccccggacg ctctgcgagg acaacgacct catggacgtc ctctgtctca 480
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 tgatagatca gggagagaag gacgacaaga tcatcgccgt ctgcgccgac gaccccgagt 600
 accgccacta caacgacatc agcgagctct cccctcaccg ncttcaggag atccgccggc 660
 tcttcgaaga ctacaag 677

<210> 9580

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H3

<400> 9580

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 cacaatgctc acttgctcct agttccatta ttccacagtt cctcccacca gttacttcag 180
 tggccttcga acaccagct gtgcaagcct ataggctaca acaagcgatt gggcgagcg 240
 tcttacaaca accaattgcc caattgcaac aacaatcctt ggcacatcta acaatacaaa 300
 ccatcgcaac gcaacagcaa caacagttcc taccagcact gagccaccta gccatggtga 360
 acctgtcgc ctacttgcaa cagcagctgc ttgcatccaa cccacttget ctagcaaacg 420
 tagttgcaaa ccagcaacaa caacaactgc aacagtttct gccagcgctt agtcaactag 480
 ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agcccgctcg 540
 ctgtggccaa tgcacctaca tacctgcaac aagaattggt gcaacagatt gtaccagctc 600

taactcagct agctgtggca aaccctgttg cctacttgca acagct

646

<210> 9581

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-104-Q1-K6-H5

<400> 9581

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ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgtca cttgctccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctacgccttg 240
cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgcta cttacaacag ttgcttccat 660
tcaaccaact gg 672

<210> 9582

<211> 188

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-104-Q1-K6-H8

<400> 9582

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gcngngggcg aggagggcga gcchggcn gnccagcggca ccaaggacga cgccgacgcc 120
gacngccagc gcgcgcagca gcagcagcan ggccgncacc accaccaacc caggcagggc 180
ggcggggcc 188

<210> 9583
 <211> 671
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-104-Q1-K6-H9

 <400> 9583

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gcctctccgt ccccatcgcc gcgcagatgg atccgtcgtc ggagcccctg tacgcgcagg  180
tcgagccgta cgactccggg gggctcaagg tctccgatgt ccacaccatc tactacgagc  240
agtccgggaa cccgcagggc catgcggccg tgtttctcca cggcgggtccc ggagccggca  300
cgtcgccccg caacaggagg ttctttgacc cgcagttcta caggatcggt ctgtttgacc  360
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gtggttcatg gggaagcacc ttggcacttg cctacagcca ggagcaccct gataaggcca  540
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aggggtggtg agcagccatt ttcccagatg catgggaacc atttagagat tttattcctg  660
aggatgaaag g                                                    671
  
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<210> 9584
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-A10

 <400> 9584

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accccaggan annacnnna ccaccgnca gagggcaaag ngnnngncgc ccggaacggn  120
gngnncnaag agaaagagnn ncncaaaaga gagaaaagna aacaaaagggn gnancnngaa  180
gaagnncagg angagccagn gggacaagaa acaacaagng angccaangn agcagaacaa  240
  
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gnngagacgn ccanggcaag agaancacca ccacaaccac gaaggncagc aa

292

<210> 9585

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-A2

<400> 9585

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gtttctgagg catcagtgcg gcccgacggc gacgcctac tgctcgcttc agtgccaggc 180
gttgccgagc cagtgttgcc agcagctcaa gcaggtggag ccgcagcacc ggtaccaggc 240
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gtatagccgc tggctagcta gctagttgag tcatttagcg gcgatgattg agtaataatg 480
tgtcacgcat caccatgggt gccagtgatc gtgtgagcaa tgacctgaat gaacaattga 540
aatgaaaaga aaaaagtatt gttcc 565

<210> 9586

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-A3

<400> 9586

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aaccttgatc cccctggtaa tttctcatcg gggcgccac taccttgagc ccgcgcgcga 120
tcgcaattcg cgcgtccgtc gcccgaactc caacgagcaa gtgattgagg accctggtgt 180
tcaacaggta gaagttgctg aggaggagct cattgaaggt ggtccaagag gagcettaca 240
acgaggagtt cgagcttata taggtggcgt ctcccagtc gcttgatggc gccaaaggaat 300
aatacttagt tcgttttatt attcttattc atttttgtaa gacttccgct atgtaataat 360

gatatttgtg acatttatct ctatacactt tatcggt

397

<210> 9587

<211> 263

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-A4

<400> 9587

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acaacaacaa caacaginnnc ngccancacn gagccacca gccgnggnga accccggcac 180

ccaccngcaa cagcagcngc cggcaaccaa cccaccngcc ccggccaacc naaccgcaga 240

cccgaacaa caacagccgc aac 263

<210> 9588

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B2

<400> 9588

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gtctttactc tagtactcta aatgcttgaa attattatgg ttactctagg tatgatgatt 120

ggtgactggg aaaaaattcg tgatttatgg tgcattgtatc atggagttag tgatttaact 180

tgtttgatgc atattaagta gttttaaatg gtttataaat agtatacggg tgtaaaaatg 240

gaaaatgttg ttctagtgtc ttatatacat gttgtagtgg cctaataaaa gtttaacatgg 300

ctatgcattc aaaaaaata tttagtttta gatttaactt gtcgtcatat gccttattgc 360

attaacaatt tatcattttt gtaataatta atatataaaa cctgataatg taaaatttgt 420

acatttgtca tgacttggtt ttacctatac tttatgaaaa tcacagcccc aaattagata 480

gcctcatatg gtgctaaact aatactcatt ctaaaataat acctactcta ttaagaacat 540

aatgtgggca tctcgtgcta ctatgacttc accctttacg ctgccactct gggcc 595

<210> 9589
<211> 673
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B3

<400> 9589

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ccaaactggt ttcagggtag tgcagatgct gtaaggcagt acttgtgggt gtttgaggag 120
cataatgtga tggaatttct aattcttgct ggcgatcacc tgtaccggat ggactatgaa 180
aagttcattc aggcacacag agaaacaaat gctgatatta ccgttgctgc cctaccgatg 240
gatgagaaac gtgcaactgc atttggcctc atgaaaattg atgaagaagg gaggatcatt 300
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gttttcagca aagatgtaat gcttcagctc ctccgtgaac aatttcctga agccaatgac 480
tttgggaagtg aggttattcc aggtgcaacc agcattggaa agaggggttca ggcttatctg 540
tatgatgggt actgggaaga tatcggtagc attgcggcat tttataatgc aaacttggga 600
ataaccaaga agccaatacc agatttcagc ttctatgacc gttttgctcc aatttataca 660
caacctcgac acc 673

<210> 9590
<211> 650
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B5

<400> 9590

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tcattattcc acagtgtca cttgctccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagegcttg 240
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ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcatctagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgccta cttacaacag 650

<210> 9591

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B7

<400> 9591

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gacaattttc cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc 180
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tgtgatcaac caagtagctc tggcaaacc tttctcctac tctcagcaac aacaatttct 420
tccattcaac caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc 480
attcagccag ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt 540
ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactacat ttagccagct 600
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gtttgc 666

<210> 9592

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B8

<400> 9592

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gcttcctggg cctgcgccag gttcatgccc ggctcgcggt aataggcgca ggaatagacc 180
cggcgcggat ccagccacag ggggtagaaa tcgtcggaca ggtcgtaatg gaattcgatc 240
tggcggggcgt cgcgctccac cgagtgcgc caccgcgaca tcaccttgcg caccagctcg 300
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<210> 9593

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-B9

<400> 9593

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cacaagggtc tgcgcaaggc gaaggagcac caccgcaaga agcgcaagga ggccaagaag 180
gagggcaagg ccggccagcg gaagaaggtc gagaaggacc ccgggatccc caacgagtgg 240
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ctcgagctca agaaggaggc gcgcaaggag agggctcgga agaggaagct aggattgctc 360
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gttcttgatg caagagatcc gctgggcacc cgttgcattg acatggaaaa gatgggttagg 600
aaggctgatc caagtaaacg gattgtacta cttctcaaca agatagatc 649

<210> 9594

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C10

<400> 9594

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ggaggccatg aacgccgcgc tgcggatgcc ggaggccgag cagcggctgc ggcacgagga 180
gcactacaag tacgtgagca cccacgacgt cgcctactgg gcgcggctct tcgactcgga 240
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gagtttcaag gtggtggccc ttggcccgaa ttccggcgcc ctctccgtgg agcacattgt 360
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gccggagaac tccatcgaca ggacgccgag cagtgaggtc atctctgggt tgaatcgtct 480
gtgcgaggac cccaagaaca gagtgttcat cgtaagcgga ccggggaagg acgagctgag 540
caggtgggtc gccccctgcg agaagttggg catcgccgcg gggcaccggt acctcacaag 600
ggggagcagg gacgcgccat ggg 623

<210> 9595

<211> 664

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-C11

<400> 9595

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agggtggcgg gggcattgac gccgcgctcc tcgacgacat catccgccgc ctgctcgagg 180
tgcggaccgc gcgccaggg aagcagggtc agctctctga gtcggagatc cgccagctgt 240
gcaccgtctc ccgcgccatc ttcctcagcc agcccaacct cctcgagctc gaggcgcca 300
tcaagatctg cggtgacatc catggtcaat acagtgatct tctaaggctt tttgaatatg 360
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aaagtttgga gactatatgc cttcttcttg cttacaaaat caagtaccct gagaactttt 480
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aatgcaagcg tcgatttaat gtgcggctat ggaaggtctt cacagaatgt tttaacactc 600

tacctgtggc tgctcttata gatgataaaa tattatgtat gcaagggtgga ctctctcccc 660
atct 664

<210> 9596

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C2

<400> 9596

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cgacaacagt tacttaatcc attggcagtg gctaaccat tggtcgctac cttcctgcag 180
cagcaacaac aattgctgcc atacaaccag ttctctttga tgaaccctgc cttgcagcaa 240
cccatcggtg gaggtgccat cttttagatt acatatgaga tgtactcgac aatgggtgcc 300
tcataccgac atgtgtttcc tagaaataat caatatattg attgagattt atctcgnnnn 360
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<210> 9597

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-C3

<400> 9597

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atcaaatatg ggaaccattc gttgacctat agaatagttg atagaatttt cgcacagatc 180
ccaaggaaat tcacaagcat gacagaagga aagatgggtt atgaagactt tgtttacttt 240
atattatcag aggaagacaa atcatctgag cctagtcttg aatattgggt taagtgcac 300
gatcttgatg gtaatgggtat ttttaactttc aatgaaatgc aattttttcta cgaggagcaa 360
ttgcaccgaa tggagtgcac ggcacaagag cctgtgcttt ttctggacat attatgccag 420

atgattgata tgattggacc agagaatgag agctatntaa ctctacggga cttaaacggt 480
 gtaaactctc aggaacatat tcaatattct tttcaatctc aacaagttca tggcatttga 540
 aactcgtgat ccattcctca ttcgccagga acgtgaaaat ccaactctaa ctgagtggga 600
 accggtttgc acatag 616

<210> 9598
 <211> 550
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-C4
 <400> 9598

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 tgccactacc ctactcaacc gcccgcgcct cagcctcatc cccagccaca cccatgcccc 360
 tgccaacagc cgcattcaag cccgtgccag ctgcagggaa cctgcggcgt tggcagcacc 420
 ccgactctgg gccagtgcgt cgagttcttg aggcattcagt gcagcccgac ggcgacgccc 480
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 ggagccgcag 550

<210> 9599
 <211> 662
 <212> DNA
 <213> Zea mays
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 <400> 9599

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ggtgtgctcc aagattgcga ggccttaag gaattggtgt tgtccacga tgctatcttc 240
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 aagattgcta tctactgcagc attagggat gatagttacc ttgtcatgcg acatggggct 360
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 gaggatgcc ttgggcgtca aaggctgggg tgttatttct gcaatgacgt cattgtcct 480
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 gcctctattg catcaggacg cgtgcagac ctcttcagaa gaatgttaca ccatcctgat 600
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 cc 662

<210> 9600
 <211> 683
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-D1

 <400> 9600

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 gagtgccatt attccacagt tctccctcc agttacttca atgggcttcg aacaccagc 180
 tgtgcaagcc tataggctac aacaagcgt tgcggcgagc gtcttagaac aaccaattgc 240
 ccaattacaa caacaatcct tggcacatct aaccatacaa accatcgcaa cgcagcagca 300
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 tgcacgaac ccacttgctt tggcaaactg agctgcatac caacaacaac aacagttgca 420
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 acagttgttg caacaacagt tgctgcaaca aattgtacca gctcttactc agctagctgt 600
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<210> 9601
 <211> 605
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-D10

 <400> 9601

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aaaagcgnc annannccac aaagcncacn agcnccgaga gccannann cacagnnccn 180
cccnccagnn accccaggag ggggggaaca cccagcngng caagccnana ggcnacaca 240
agcgcnnngc gcgagcgnc nagaacaacc aanngccaa nnacaacaac aancnnagc 300
acancnaacc anacaaacca ncgcaacgca gcagcaaca gcacngagcc accnagccgn 360
ggngaaccn ancgccnncn ngcaacaaca gncgcnngca nccaaccac nngcnnggc 420
aaacgnagcn gcanaccaac aacaacaaca gnnngaacag nnnngccag cgcncagnca 480
acnagccaag gngaaccna ncgcnaccc acaacagcaa caacnnnnn caacnagccc 540
gncgcnang ggcaaggcac ccacanaccc gcaacaacag nngnngcaac aacagnngcn 600
gcaac 605
  
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<210> 9602
 <211> 640
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-105-Q1-K6-D2

 <400> 9602

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atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg tgaaaacca 180
attcttcaac cctacagggt ggaacaggca atcacagctg gcatcttacc tttatcacc 240
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caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc tgcctactct 360
  
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cagcaacagc agttttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg 420
 caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca 480
 ttcaaccaac tggcagcatt gaactctcct gcttattttac agcagcaaca actactacca 540
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<210> 9603.

<211> 339

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-D6

<400> 9603

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 agggggggtt tggggccccc ccccccccn naaaaaaaaa aaaaaaaaa aaaaaaata 240
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<210> 9604

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E10

<400> 9604

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 agtggttctt gtacacagac aggcggctgc agctgtggtc aacatcaaag ccatgagcag 180
 caacatcatc cacaacaaca tcatccacaa aaacaacaac atcaaccacc accacaacat 240
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<210> 9605
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-E11
 <400> 9605

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 cttcgaacac ccagctgtgc aagcctatag gctacaacaa gcaattgcgg cgagcgtctt 240
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<210> 9606
 <211> 563
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-E12
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 nnnacccaca aagcncacia gcnccnanag ccacnaacn acccncaaac cacacaccag 180

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ccgcaaagaa ccccgngac gaagagcaac aacaaccgac cagcagacag caagcngcng 480
cccccccca gcaaggggag ccagacaacc aaccggcagc aaagaacgag gccgccnaag 540
gacaacagaa acaggaacca cca 563

<210> 9607

<211> 676

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E4

<400> 9607

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cccgcaatgc tcacaagctc ctatagcttc ctttcttccc ccgtacctct caccagcggc 180
gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcgagc 240
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gacacaacca cagttgttgc cgttctacca gcacgctgag cctaacgctg gcaccctctt 660
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<210> 9608

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-E6

<400> 9608

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attgtatgtc ctaccaaacc atccaaatca gcaacacttg gagccgccag agcgtcttcc 600
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<210> 9609

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F10

<400> 9609

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503

<210> 9610

<211> 493

<212> DNA

<213> Zea mays

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ggcgggcgcg ggtacggtgg tggccgtgga ggcggcggt actgcggtgg cgggcgcct 420
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<210> 9611

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F4

<400> 9611

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ggctacggcg ccggcggatg gagctacgac tcgtcaaga acttcgcga gatcaccct 180
gccgtccaga ccgcgcgaat gagcatttcg tattttttta aaaatatata tcagtcgctg 240
gtttcgtgcg ttccagaaat tctcctgcgg gttgcgtgta gctgatgcgt aattccctga 300
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ccaccgattc gattgattcg tcactttaag aacatgatcc ggtagaaca gcaagatatg 420

ataaatcgat ttgaatccaa atctgaccat ctggttcggc ttggttgccct gcaggtctac 480
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<210> 9612

<211> 677

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F5

<400> 9612

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tcattattcc acagtgtcga cttgctccta gtgccattat tccacagttc ctcccaccag 180
gtacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
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cgctcggcgt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
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tcaaccaact ggctgtg 677

<210> 9613

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F8

<400> 9613

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<210> 9614

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-F9

<400> 9614

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 tccacagtgc tcaattgctc ctagtgccat tattccacag ttctctccac cagttacttg 180
 gagtgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 240
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 ccgtggtgaa cctgtgcacc tacttgcaac agcagctgct tgcattgcaac ccacttgctc 420
 tggcggacgt atctgcatac catcaacaac aacagctgca acagtatatg ccagtgtcga 480
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<210> 9615

<211> 665

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-105-Q1-K6-G1
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aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
tacaacaacc aattgcccaa ttgcaacaac aatccttgcc acatctaaaca atacaagcca 300
tcacaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atggtgaacc 360
ctgccgccta cttgcaagag cagctgcttg catccaaccc acttgctctg gcgaacgtag 420
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tggtgaaccc tgccgcctac gtacaacaac aacaactgct ttcactctagc ccgctcgctg 540
tgggcaatgc acctacatac ctgcaacaac aattgttgca acagattgta ccagctctga 600
ctcaactagc tgtggcaaac cctgttgctt acttgcaaca gctgcttcca ttcaaccaac 660
tgact 665
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<210> 9616
 <211> 683
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-105-Q1-K6-G11
 <400> 9616

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gggctgtacc cctacgcgga gtacctgagg cagccgcagt gcagcccgtt ggcggcggcg 240
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tgccagcagc agatgaggat gatggacgtg cagtccgtcg cgcagcagct gcagatgatg 360
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atgcagcttg agcgtgccgc tgccgccagc agcagcctgt acgagccagc tctgatgcag 420
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aacatgccgg ccatgggtgg actctaccag taccagctgc ccagctaccg caccaacccc 540
tgtggcgtct ccgctgccat tccgccctac tactgattca tgatatntgg gaaatctnct 600
ctatccatct ctctctatct atatatgtaa taatgcagna agacgacaca cattatcatg 660
tgtggtatga ccaataatat atg, 683

<210> 9617
<211> 658
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-G12

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gctgatggat ctgtacagggt attagcggct acacaaatgc ctgaagagcc agctggatgg 600
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<210> 9618
<211> 650
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-105-Q1-K6-G5
<400> 9618

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<210> 9619

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G6

<400> 9619

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 agctcctata gcttcccttc tcccccata cctctcacca gcggtgtctt caatgtgtga 180
 aacccaatt gttcaaccct acaggatcca acaggcaatc gcaacaggca tcttaccatt 240
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 gccgttctac ctgcacgcta tgcctaacgc tggcaccctc ttacaactg 649

<210> 9620
 <211> 485
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-G8

<400> 9620

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 tggcagcaac ccatcgttgg aggtgccatc ttttagatta catatgagat gtaatcgata 420
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<210> 9621
 <211> 611
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H10

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 aatgctcact tgcctcctagt gccattattc cacagttcct cccaccagtt acttcagggg 180
 gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
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tggtgaaccc tgccgtctac gtacaacaac aacaactgct ttcattctagc ccgctcgctg 540
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<210> 9622

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H11.

<400> 9622

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<210> 9623

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H2

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 tggagaagca gaatgacacc agcatcttgg tcttgcgtgca ggagtgtttc ggcgaggggc 180
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<210> 9624

<211> 311

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H3

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 caccctctta caactgcaac aattgctgcc attcaaccaa cttgctttga caaaccagc 180
 agtgttctac caacaaccca tcattgggtg tgccctcttt tagatttctt atgagttata 240
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<210> 9625

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-105-Q1-K6-H6

<400> 9625

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 gtcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
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<210> 9626

<211> 162

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-105-Q1-K6-H7

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gaaaggaaaa agaggggaaga aggagaaaaa naagggagga ag 162

<210> 9627

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-A1

<400> 9627

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641

<210> 9628

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-A11

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ctctactatt attccacaat gtcacaaca atacctctct ccggtgacag ccgcgggatt 180

tcaacaccca actatggggg ggtgcatgct acatgaggcc atcatancaa gcatcttacg 240

gtcattagca ttaaccctcc aacagccata tgccctattg caacaaccat ccttagtgca 300

tctgtatctc caaagaatcg cgacacaaca actacaacaa cagttgctac caacaatcaa 360

tcaagtagtt gcagcgaacc ttgctgctta tctccagcaa caacaatttc ttccattcaa 420

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ccaacttgct gggagccctg atgccttctt actgcaacaa cagcttctgc cattccatct 540

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<210> 9629

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-A2

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acaagctcct atagcttctt ttcttcccc atacctctca ccagcgggtgt cttcagtatg 180

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 tgcttatttg caacaacaac taccattcag tcagctagct gctgctacc ccagcaatt 480
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 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aacaacagtt 600
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<210> 9630
 <211> 660
 <212> DNA
 <213> Zea mays

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<210> 9631
 <211> 642
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-A7

<400> 9631

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<210> 9632

<211> 662

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B10

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tcattgtgctt gtctgagggg gcctctgctc gttggcagcc ggatcgctg ctgttggtgc 600
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gc 662

<210> 9633
<211> 691
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B6
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gctgtggcca atgcacctac atacctgcaa caacaattgt tgcaacagat tgtaccagct 600
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<210> 9634
<211> 669
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-106-Q1-K6-B8
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<210> 9635

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-B9

<400> 9635

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 gcttcgaaca tccagccgtg caagcctaca ggctacaact agcgcttgcg gcgagcgcc 240
 tacaacaacc aattgccc aa ttgcaacaac aatccttggc acatctaacc ctacaaacca 300
 ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac ctagccgtgg 360
 tgaacctgt cacctacttg caacagcagc tgcttgcatc caaccactt gctctggcga 420
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<210> 9636
 <211> 658
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-C6

<400> 9636

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aagcagcaac aaccacaaca gcctcagcaa tatcagcagg gccaggaaaa atcacaacag   180
cggcaatgtc attgccagga gcagcaacag actacaaggt gcagctataa ctactatagc   240
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gttcaatcca taatccagga ggagcaacaa caacaaccat gtgagttatg tggatctcaa   480
caagctactc aaagtgcggt ggcaatcttg acagcagcac aatacctacc atcaatgtgc   540
ggcttgtacc actcatacta ccaaaataat ccatgcagca gcaatgacat tagtgggtgtt   600
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 <211> 157
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 <213> Zea mays

<223> unsure at all n locations
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<400> 9637

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<210> 9638
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-D12

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acacatcatt ggtggtgccc tcttttagat tgattattag ttgtaattca ataataaagt 180
tttttgatg atgtatgtgg ccaaccagaa ataagaagtt acatttccag atactaaaaa 240
aaaaaaaaa aaaaaataaa taaaaaata aaaaaaaaaa aataaaaaaa aaaaaaaaag 300
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<210> 9639

<211> 677

<212> DNA

<213> Zea mays

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<223> Clone ID: LIB3061-106-Q1-K6-D2

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caagggtgtg cctccaaag attgcggcct ttgcgtncac tggagcatcc tgccaccacc 600
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<210> 9640

<211> 650

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D4
 <400> 9640

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 aacatacctt tatcaccctt gtttcaacaa tcgccagccc tatctttggg gcagtcattg 300
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<210> 9641
 <211> 661
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-D7
 <400> 9641

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ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag caacaactac 540
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<210> 9642
<211> 191
<212> DNA
<213> Zea mays
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<400> 9642

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<211> 614
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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-E3

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<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-E6

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ttcattctacc gccgcccgtg catctgccac gtgcggttca cctgccacct ccggtgcac 180
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<211> 688

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-E8

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<211> 654
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-106-Q1-K6-F12

 <400> 9647

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cattggtggt gccctctttt agattgctta ttagttgtaa ttcaataata aagttttttg 600
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 <211> 625
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 <213> Zea mays

 <223> Clone ID: LIB3061-106-Q1-K6-F9

 <400> 9648

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<210> 9649

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G1

<400> 9649

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<210> 9650

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G10

<400> 9650

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ggtgaatgcc aacaggatag tgcaacttgg tcagctgagg agcatgggtct gggaagcagt 180
 gatgggtgcc aggataacat atgccaggtg gattctgcaa ttccatactg gaacatggag 240
 ttagaagtga cgcattgaaa gaaccaatta actcaaccgt gatcttgctg taatctctac 300
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 gcggcattgg taatctgtca agcagtgacc aaaacaagca gcaatccccg ccgtcgtgaa 420
 acgccgccgt gtgccatgtc gatttaggct atccagcttg ctgccttgct cacctgcttt 480
 cctgagtatc tgtgttcac c aattgcgaat tacccttctc tcgattccga cctcctcggg 540
 tggctcctgc cgtcctgcgt gcattcccat tttcaaacca gcatgttcag cactgcttgg 600
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 c 661

<210> 9651
 <211> 542
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-106-Q1-K6-G6
 <400> 9651

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 acaagcggcg gctgcggctg ccagccaccg ccgcgggttc atctaccgcc gccgggtggag 180
 cgggcacctc cggttcacct gccacctaca gtgcatctcc caccgcgggt ccacctgccg 240
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 ccatgccact acctactca accgccccgg cctcagctc atccccagcc acacctatgc 360
 ccgtgccaac agccgcatcc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc 420
 accccgatcc tgggccagtg cgtcgagttc ctgaggcatc agtgcagccc gacggcgacg 480
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 gt 542

<210> 9652
 <211> 444
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-K6-G8

<400> 9652

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actgacagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca 180
gctagctggg gtgagccctg ctaccttctt gacacaacca cagtgtgtgc cgttctacca 240
gcacgctgcg cctaacgctg gcaccctctt acaactgcaa caattgctgc cattcaacca 300
acttgctttg acaaaccag cagcattcta ccaacaaccc atcattgggtg gtgccctctt 360
ttagatttct tatgagttat agttcaataa taaagttttt tgtctgatgt ttgtggcttc 420
ccagaaataa gaaagtacat ttct 444

<210> 9653

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-K6-G9

<400> 9653

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ggncacccca agcaaccaan aaccgaangg aaccngcca gcgatagatt aacaacaaca 120
actaccattt cagacagtta actgactgcc taccacagc aatttcttcc attcaaacca 180
actggcagca ttgaactctt cctgcttatt tacagcagca acaactacta ccattcatcc 240
agctagctgg ngtgagccct gctaccttct tgatacaacc acagttgttg ncgttctacc 300
agcacgctgc gcctaacgct ggcaccctct tacaactgca acaattgctg ccattcaacc 360
aacttgcttg acaaaccag cagagttcta ccaacaaccc atcattgggtg gtgccctttt 420
aagatttcta atgagttata gatcaataat aaaggtntn gaccgatatt tgtggcttcc 480
agaaataaga aagtacattt tagattc 507

<210> 9654

<211> 621

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-H5

<400> 9654

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tgcaagcgcc actatgtgcy acccatattc cagggcactt gccaccagtc atgccattgg 180
gtaccatgaa cccatgcatg cagtactgcy gggggcaaca ggggcttgcc agcttgatgg 240
cgtgtccgtc cctgatgctg cagcaactgt tggccttacc gcttcagacg atgccagtga 300
tgatgccaca gatgatgacg cctaacatga tgtcaccatt gatgatgccg agcatgatgt 360
caccaatggt cttgccgagc atgatgtcgc aaatgatgat gccacaatgt cactgcygacg 420
ccgtctcgca gattatgctg caacagcagt taccattcat gttcaacca atggccatga 480
cgattccacc catgtttctta cagcaaccct ttgttggtgc tgcattctag atagaaatat 540
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aacaagtttc ctcttattat c 621

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<210> 9655
 <211> 189
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-K6-H8

<400> 9655

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ccgacgcgta aagcgcgccg gtttcgccga agtacggatg cgcgacccgg taggccaccc 120
agggcagcag caggttgacg aagagttcga ggatcagtcg ggctcgcggn ttcacggntc 180
gccattcca 189

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<210> 9656
 <211> 631
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-A3

<400> 9656

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aaggaattta atgcatatcc tgctggctct tggtttaatt tcagtaaaat tgcacagtac 180
aaacaattga cactggagga ggctgaagaa aagatgaata agaggaagac cagtgcaact 240
ggttatgaac gctggatgat gaaagcagcg gcaaattggac cagctgcctt tggttcagac 300
atgaagaagc ttgaggccac aaatgggtgg gaaaaagaaa gtgctcgtcc taagaaagga 360
aaaaataatg aagagggtaa taattctgat aagggtgagg aggatgaaga agaggaagca 420
acacgcaaga atagacttgg actaactaaa aaggcatgg atgatgatga ggaaggtgga 480
aaagatctag atttcgattt ggatgatgaa attgagaaag gtgatgactg ggagcatgaa 540
gaaacattca ctgacgatga tgaggctgta gacattgac cagaagaacg ggcagatnta 600
gctcctgaaa tttctgctcc acctgaaatc a 631

<210> 9657

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-A4

<400> 9657

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aggcacgcgc aaggtaattt aatgcatatc ctgctggctc tcggtttaat ttcagttaaa 120
ctgctcagta caaacaattg aactggcag gaggcgtgaa gccaaagatg aatcagagga 180
agaccagtgc aactggttat gaacgctgga tgatgaaagc agcggcaata tggaccagct 240
gcctttggtt cacacatgaa taagcttggt gccacaaatg gtggggaaaa agaaagtgt 300
cgtcctaaga aaggaaaaaa taatgaacag ggtaataatt ccgataaggg tgaggaggct 360
gacgaagagg aagcaacacg caagaataga cttgggctaa ctcaaaaggg catggatgat 420
gatgaggaat gtggaaaaca ctacatttcg attcggatga tgaaattgac gaaatgtgat 480

gactgggagc ctgaagaaac attcactgac gatgatgagg ctgcagacat tgttcccaga 540
gaacgggcac atttagctcc ctgaaattcc t 571

<210> 9658

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-A8

<400> 9658

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cttgctcttt ctgcatgtgt tgctaacgag accatttttc ctcaatactc acaagctcct 120
atagctgccc ttcttcccc atacctcca tcaatgaccg cttcagtttg tgaaaaccca 180
gcccttcaac cctacaggct ccaacaagca atcgcaaca gcaacttacc tttatcacc 240
ctgttctttc aacaatcgcc agccctatct ttggtgcagt cattggtaca aaccatcagg 300
gcacaacagc tgcaacaact cgtgctacca gtgatcagcc aagtagctct ggcaaacctt 360
tctccctact ctgagcaaca acaatttctt ccattcaacc aactgtctac actgaacctt 420
gctgcttatt tacaacaaca acaactacta ccattcagcc agctagctac tgccctactct 480
cagcagcaac aatttcttcc atttaaccaa ttggccgcac tgaacccctc tgcttatttc 540
cagcagcaaa tactactacc atttggccag ctgactac 578

<210> 9659

<211> 508

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-B2

<400> 9659

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tctttctaca tgtgttgcta acgagacaat tttccctcaa tgctcacaag ctccctatagc 120
ttcccttctt ccccatatcc ttccatcaat tatagcttga gtatgtgaaa acccagctct 180
tcaaccatat aggcttcaac aagcaatcgc agcaagcaac atacctttat cggccttggt 240
gtttcaacaa tcaccagccc tatctttggt gcagtcattg gtacaaacca tcagggcaca 300

acagctgcag caactcgtgc tacctgtgat caaccaagta gctctggcaa acctttctcc 360
ctactctcag caacaacaat ttcttccatt caaccaactg tctacactga accctgctgc 420
ttatttgcag caacaactat taccatttag cccgctagct actgccctac tctcagcaac 480
aaccaacttc ttccatttaa ccaattgg 508

<210> 9660

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-B3

<400> 9660

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cttcccttct tccccatac cttccatcaa tgatagcttc agtatgtgga aaaccagct 120
cttcagccct ataggctcca acaagcaatc gcagcaagca acataccttt atcacccttg 180
gtggttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaac catcagggca 240
cagcagctgc agcaactcgt gctacctgtg atcaaccaag tagctctggc aaacctttct 300
ccctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact gaaccctgct 360
gcttatttgc agcaacaact attaccattc agccagctag ctactgcta ctctcagcaa 420
caacaacttc ttccatttaa ccaattggcc gcactgaacc ccgctgctta tttgcagcag 480
caaatactac taccatttag ccagctagct gcagcaaacc gtgcttctt cttgacacag 540
caacagtgc tgcccttcta ccagcagttt ggggtaacc ccgcaacct cttacaacta 600
caacaattgt tgcccttctg 620

<210> 9661

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-C3

<400> 9661

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gatcgacacc atgaggggtg tgctcgttgc cctcgtctc ctggctctcg ctgcgagcgc 120

cacctccacg catacaagcg gcggctgcgg ctgccagcca ccgccgccgg ttcattctacc 180
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ggtecacctg ccgccgccgg tccacctgcc accgccggtc catgtgccgc cgccggttca 300
tctgccgccg ccacctatgcc actaccctac tcaaccgccc cggcctcagc ctcattcccca 360
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cggcggttggc agcaccgccga tcctggggcca gtgcgtcgag tttctgaggc atcagtgcag 480
cccgaaggcg acgcctact gctcgcttca gtgccagtcg ttgcccagc agtggttgcca 540
gcagctcagg caggtggagc cgcagcaccg gtaccaggcg atcttcggct tggtcctcca 600
gtccatcctg cagcagcagc cgcaaagcgg ccaggtcgcg gggc 644

<210> 9662
<211> 64
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-D1

<400> 9662

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gggg 64

<210> 9663
<211> 522
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-D6

<400> 9663

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agctagctac tgcctactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac 120
tgaacccgc tgcttatttg cagcagcaaa tactactacc atttagccag ctagctgcag 180
caaaccgtgc ttccttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg 240
ctaacccgc aaccctctta caactacaac aattgttgcc ctttgtccaa cttgctttga 300

cagacccagc ggcctcctac caacaacaca tcattggtgg tgccctcttt tagattgctt 360
 attagttgta attcaataat aaagtttttt ggatgatgta tgtggccaac cagaaataag 420
 aagttacatt tccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaaaaaa aaaaaaaaaa anaaaaaaaa aaaaaaana na 522

<210> 9664

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-D8

<400> 9664

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 ttttccccca tacctctcac cagcgggtgc ttcagtatgt gaaaacccaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcgcagcagg catcttacct ttatcacctt tgttccctca 240
 acaaccgtca gccctattac agcagttacc tttggtgcat ttgttggcac aaaacatcaa 300
 ggcacaacaa ctacaacaac ttgtgctagg aaaccttgct gcctactctc agcaacagca 360
 gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc aacaacaact 420
 accattcagt cagctagctg ctgcctaccc ccagcaattt cttccattca accaactggc 480
 agcattgaac tctgctgctt atttacaaca gcaacagcta ccaccattca gccagctagc 540
 tgatgtgagc cctgttgctt tcttgacaca acaacagttg ttgccgttct acctgcacgc 600
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<210> 9665

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-D9

<400> 9665

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ttattccaca atgctcacia caatacctct ctccggtgac agccgcggga tttcaacacc 180
 caactataca atcctacatg ctacatgagg ccatcgtagc aagcatctta cggtcattag 240
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 tccaaagaat cgcgacacia caactacaac aacagttgct accaacaatc aatcaagtag 360
 ttgcagcgaa ccttgctgct tatctccagc aacaacaatt tcttccattc aatcaactag 420
 ctggggtgaa ccttgctgct tacttgtagc cacaacaact actaccattt aaccaacttg 480
 tggggagccc tgatgccttc ttactgcaac aacagcttct gccattccat ctgcaagctg 540
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<210> 9666
 <211> 593
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-062-Q1-K6-E12
 <400> 9666

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 aaaccttgct gcatactctc agcaacatca gtttcttcca ttcaaccaac tgggggggtg 180
 gaactctgct gcttatttgc aacaacaatt accattcagc cagctagtgt ctgcctaccc 240
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 gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 360
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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccaacagtgt tctaccaaca 480
 acccatcatt ggtgggtgcc tcttttagat tgcttatgag ttatagttca ataataaggt 540
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<210> 9667
 <211> 112
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F1

<400> 9667

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<210> 9668

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F12

<400> 9668

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tactttctgac aagattgagg cactattcga tttaattaag gggctgataa aggatatgga 180
tggagctcaa gatgatgagc ttgatgaaga agactttaag gaggaacaaa actctgtagc 240
gcgtctcatt cacatgctgc acaatgatga tcctgaagag atgctgaaga tcttatgtac 300
tgtacagaag catatacttc agggaggccc caagcgtcta actttcactg tgccttcggt 360
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atatg 605

<210> 9669

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-F2

<400> 9669

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caacagttgc ttccattcaa ccaactggct gtgtcaaact ctgctgcgta cctacaacag 180
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cagcaacaac aattgctgcc atacaaccag ttctctttga tgaacctgc cttgcagcaa 300
cccatcggtg gaggtgccat cttttagatt acatatgaga tgtactcgac aatgggtgcc 360
tcataccgac atgtgtttcc tagaaataat caatatattg attgagattt 410

<210> 9670
<211> 486
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-062-Q1-K6-G1
<400> 9670

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aaggaccaag ctaacttccg cctacttgca acatcatcaa ttttttatat tgaacaaaa 180
gtccaatcta gtagccgctg cttacaagca gcagcaaaga ctactgccat tcagcgagct 240
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gcttgccggt aaccccgcaa cctctttaca actacaacaa ttgttgacct ttgttcaact 360
tgctttgaca aaccagcag cctgctacca acaacacatc attggcgggt cctgtttta 420
gatcgtttat tacttgtaat tcaataataa acttttttgg atgatgtatg tggccaacca 480
gaaata 486

<210> 9671
<211> 413
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-062-Q1-K6-G10
<400> 9671

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aatcttggca agtctcggga acgtatagga aagtttaatc tctgtatatt gccttatgat 180
atcaaacatg gctagaccgg gaatggatct atacatgatg acgggcatag ctagcaagct 240
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gagggtgtac agctttttcc tgaagcttgc agaaccccc tctgtaccat gatcaatata 360
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<210> 9672

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-G3

<400> 9672

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ctcttatagc ttccttcttt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
acccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat 240
cacccttggt cctccaacia ccgtcagccc tattacagca gttacctttg gtccatttgg 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 360
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atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacia cagttgttgc 600
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<210> 9673

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-062-Q1-K6-G4

<400> 9673

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ctgctcgccg ccaccttctt cgccgcctcc gctaacgagc aagccaaggc ggccaaagag 180
gagaagaagg tggaggtcca agactggcac ggcggcggcg gctaccggg tcacggcggc 240
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gtcgaggtcc acaactaaat agtatacggg tacgtatgcc ccgatgggaa tgaatgggaa 420
gcaagagcac acgcgtagta cgctcgtcgt agtagtcaat aaaagtttgg ttccatcacc 480
gtcatgaaat aaaagtaagg aggttgcacg ctttgtgtgc gtgcttgga acgtcgactg 540
tatctcatgc atcgaataaa tagatgttaa tgaatatcat tgggacaact ttttacggaa 600
cataaaatca 610

<210> 9674

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-062-Q1-K6-H11

<400> 9674

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acgcgacaat tttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc 120
ttccatcaat tataggtggg gggggggaaa actcatctct tcaaccatat aggcttcaac 180
aagcaatcgc agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc 240
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ttcttccatt caaccaactg tctacactga accctgctgc ttatttgcag caacaactat 420
taccatttag ccagctagct actgcctact ctgagcaaca acaacttctt ccatttaacc 480
aattggccgc actgaacccc gctgcttatt tgcagcagca aatactactg ccatttagcg 540
agctagctgc agcaagtcgt gcttc 565

<210> 9675

<211> 641
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-062-Q1-K6-H3

<400> 9675

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aatccgccgg cgctaagatg ttggtttatc aagatctcct atctggcgac gagctcctgt 120
cggattcatt cacctacaag gagctcgaga acggcgctcct gtgggagggtc gagggaaagt 180
gggtcaccca aggtcctggt gatgtagaca ttggtgcca tccatccgcc gaggggtggtg 240
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gtgcaaccaa gtttctcctt agcaagctga aggaccttca attttttgtt ggtgagagca 480
tgaaggatga tgcgtccgtg gtattcgctt attacaagga tggtgccact aatccgacat 540
tcctctatct ctctcatggt ctttaaggaga tcaagtgcga ggcttgccgc gagattagtt 600
acccatgttg ggtactatct atgtactatt gttatatcca c 641
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<210> 9676
 <211> 598
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-063-Q1-K6-A10

<400> 9676

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aaggaattat cctccttgc gcttcttgcg ctttttgca gcgcaacaaa tgcgttcatt 120
attccacaat gctcacttgc tccaagttcc attattacac agttcctccc accagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcccgc 240
agcgtcttac aacaaccaat ttcccagttg caacaacaat ccttggcaca tctaacaata 300
caaaccatcg caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg 360
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gtgaaccctg cgcctactt gcaacagcag ttgcttgcac caaaccact tgctctggca 420
aacgtagttg caaaccagcc acaacaacag ctgcaacagt ttctgccagc gctcagtcac 480
ctagccatgg tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccc 540
ctcgcctgtgg ccaatgcacc tacatacctg caacaacaat tggtgcaaca gattgtac 598

<210> 9677

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-A2

<400> 9677

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ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct cgcaagctcc 120
tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcgggtat gtgaaaaccc 180
aattcttcaa ccctacagga tccaacaggc aatcgagct ggcattctac ctttatcacc 240
cttgttctct caacaatcat cagccctatt acaacagtta cctttgggtgc atttattggc 300
acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg ctgcctactc 360
tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg cttcttattt 420
gcaacaacaa caactacatc tcagccagct acctgctgcc taccctccagc aatttcttcc 480
attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac aactactacc 540
attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac agttgttgcc 600
gttctaccag cacgttgccg ca 622

<210> 9678

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-A3

<400> 9678

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acaatagagc aacaatggcg accaagatat tttccctcct tatgctcctt gctctttcta 120

catgtgttgc taacgcgaca attttcctc aatgctcaca agtcctata gtttccttc 180
ttccccata ctttccatca attatagctt cagtatgtga aaaccagct cttcaaccat 240
ataggcttca acaagcaatc gcagcaagca acataccttt atcgcccttg ttgtttcaac 300
aatcaccagc cctatctttg gtgcagtcac tggtagaaac catcagggca caacagctgc 360
agcaactcgt gctacctgtg atcaaccaag tagctctggc aaacctttct ccctactctc 420
agcaacaaca atttcttcca ttcaaccaac tgtctacact gaacctgtgt gcttatttgc 480
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ttccatttaa ccaattggcc gcactgaacc ccgtgtctta ttgagcagc caaatactac 600
tgccatttag cgagctagct gcagcaagtc gtgct 635

<210> 9679
<211> 505
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-063-Q1-K6-B3
<400> 9679

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ttcttccatt caaccaacta ggttcattga actctgcttc ttatttgcaa caacaacaac 120
taccattcag ccagctacct gctgcctacc ccagcaatt tcttccattc aaccaactag 180
cagcattgaa ctctcctgct tatttacagc agcaacaact actaccattc agccagctag 240
ctggtgtgag cctgctacc ttcttgacac aaccacagtt gttgccgttc taccagcagc 300
ttgcgcctaa cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg 360
ctttgacaaa ccagcagtg ttctaccaac aacctatcat tgggtggtgcc ctctttttaga 420
tttcttatga gttatagttc aataataaag ttttttatct gatgtttgtg gcttcccaga 480
aataagaaag tacatttcta gattc 505

<210> 9680
<211> 614
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-063-Q1-K6-B9

<400> 9680

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aataaagtct cttgagcttg atggattcaa aattggcagc agatacatga gggttgaaag 120
gtgcaggggtg acggccacct caaacaagaa gaggaaggca gagttcgaaa ccgaccccaa 180
gaagtccgaa ggctgcctct cggcatatgt tggcaacctc tcatggaacg tggacgaaaa 240
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aagaaccggg ggttcccgtg gcttctgcca tgtcgaatth caagacgacg agtcgctcga 360
gaaggccata gcgatgaacc agtcgaaact gcagggcagg cctgtcaaag tggcgtattc 420
agtcagcaac cggggctgaa gagcgccgcc ccgtcgccag cggttatagt accagtgaac 480
ttgtagtgtt atggtttccg ctccttcagt ttcggttagg ctttacgggtg tggctaccag 540
cagtaccagt gtgagcttgt agtgagacgg tttcgctccc tcagttttgg ctttaagcttt 600
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<210> 9681

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-C1

<400> 9681

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agatgcttgc attgttcgct ctcctagctc tttgtgcaag cgccactagt gcgaccata 120
ttccagggca cttgccacca gtcatgccat tgggtacca tgaacccatg catgcagtac 180
tgcattgatgc aacaggggct tgccagcttg atggcgtgct cgtccctgat gctgcagcaa 240
ctgttggcct taccgcttca gacgatgcca gtgatgatgc cacagatgat gacgcctaac 300
atgatgtcac cattgatgat gccgagcatg atgtcaccaa tggctcttgcc gagcatgatg 360
tcgcaaatga tgatgccaca atgtcactgc gacgccgtct cgcagattat gctgcaacag 420
cagttaccat tcatgttcaa cccaatggcc atgacgattc caccatggtt cttacagcaa 480
ccctttgttg gtgctgcatt ctagatagaa atatttgtgt tgtatcgaat aatgagttga 540
catgccatcg cgtgtgactc attattaaca ataaaacaag tttcctctta aaaaaattta 600

aaa

603

<210> 9682
<211> 605
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-C11

<400> 9682

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gtcatcggtc tcgtcgtgtg cctggctctg tcagctgccg gcgcctctgc aatgcagatg 120
ccctgccccct gcgcggggct gcagggttg tacggcgtg gcgcgggct gacgacgatg 180
atggggcgccg gcgggctgta cccgtacgcg gagtacctga ggcagccgca gtgcagcccg 240
ctggcgggcg cgccctacta cgccgggtgt gggcagccga gcgccatgtt ccagccgctc 300
cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtcctg cgcgagcag 360
ctgcagatga tgatgcagct tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca 420
gctctgatgc agcagcagca gcagctgctg gcagcccaag gtctcaacct catggccatg 480
atgatggcgc agaacatgcc ggcccatggt ggactctacc aataccagct gcccactac 540
ccgaccaacc cctggggcgt ctctcgtggc attccggcct actactggat tatgatattt 600
gggaa 605

<210> 9683
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-C4

<400> 9683

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gtcgtcgtct agcagcagcc accgccgct catcctcgca gccgccgtcc tgcctctcgt 120
gctcgcggct gccagcgcca gcgcggggac ctctcgtg cgggggtggg ccatcccgca 180
caaccgctc ccgagctgcc gctggtacgt gaccagccgg acctgcggca tcgggccgcg 240

cctccccgtgg ccggagctga agaggagatg ctgccggggag ctggcgggaca tccccggcgta 300
 ctgccgggtgc acggcgctga gcatcctcat ggacggcgcg atccccccgg gcccgggacgc 360
 gcagctggag ggccgcctag aggacctgcc gggctgcccc cgggaggtgc agaggggatt 420
 cgcgccacc ctcgtcacgg aggccgagtg caacctggcc accatcagcg gcgtcgccga 480
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 catgaggaat gagctttag ctagctcata tgtctgaata ataagcacag caagaagatg 600
 aatgcattt 609

<210> 9684

<211> 280

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D1

<400> 9684

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 aaaaaaaaaa atcccccccc ccgggggggg ggggggggaa aaaaaaaaaa aaaacacccg 120
 cgcggggggg ggggggttat ttattttttt ttttnntngg gggggggggg gggggggggg 180
 gccgggcccc ccccccccc cccccccnn nnggaggggg gggggggggtt tttttctccc 240
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<210> 9685

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D2

<400> 9685

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 tcccccatat cccttccatn caatgtagtg ggggtgggtg gtnngtgaag aaccagctc 120
 gttcaaccat tatagggtt caacaaggca agtcgcgagc aaggcannac atacgttta 180
 tgcgcgcctt tggttggtgt tcaaccaat cgncccagcc cgtatcgttt ggggtggcagt 240

ngcattgggt accaanaacc atcaggggcn accaacagct ggcanngcaa ctctgtggctg 300
 acctgtggga tcaaccaagt tagcctctgg gcaannacct ttctgtcccta ccctctcagc 360
 aaccaacaat tttctttcca tgtcaacca actggtctac actggaacc 409

<210> 9686

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-D3

<400> 9686

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 anagcaacaa tggcgaccaa gatattttcc ctcttatgc tccttgctct ttctgcatgt 120
 gttgctaacg cgacaatttt cctcaatgc tcacaagctc ctatagcttc ccttcttccc 180
 ccataccttc catcaatgat agcttcagta tgtgaaaacc cagctcttca gccctatagg 240
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 caacaatttc ttccattcaa ccaactgtct aactgaacc ctgctgctta tttgcagcaa 480
 caactattac cattcagcca gctagctact gcctactctc agcaacaaca acttcttcca 540
 tttaaccaat tggccgcact gaaccccgct gcttatttgc agcagcaaact actactacca 600
 tttagccagc tagctgcagc aaaccgtgct tccttct 637

<210> 9687

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-D6

<400> 9687

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 tgacgcgaca atcgcacctt agtgetcaca ggctcctata gcttgcttcc ttccccatc 120

accttccatc attgaggggg ggggggggtgt caaaacccag ctcttcagcc ctattggctg 180
cagcaagcaa tcgcagccag caacataccc ttatcaccct tgggtggctca aactcgcga 240
gccctctctc cggtgcagcc cttggggccac accatcaggg cacaccggca tgccggacct 300
cgagctacct gggatcaacc aacctactct ggccaacctt tgtccctact ctcaccatca 360
gctctgtctt gcatactacc aactgggttac actgcaaccc tgggtgcttgt ttgtgccaac 420
gcctatttcc attcaccag gctaactgct gcctactctt acaacaaca actatttcca 480
tttaccatc tggt 494

<210> 9688
<211> 625
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-063-Q1-K6-E1
<400> 9688

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caaatccagc cgtcggcacc tccgcttcaa gatgcagatc tttgtgaaaa cctgactgg 120
caagactatc accctcgagg tggagtcgtc tgacaccatt gacaacgtta aggccaagat 180
ccaggacaag gagggcatcc cccagacca gcagcggctc atcttcgctg gcaaacagct 240
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cctcgagggtg gagtctccg acaccattga caacgtcaag gccaatatcc aggacaagga 420
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cacgcttgcc gactacaaca tccagaagga gagcaccctc cacttggtgc tgcgcctcag 540
aggaggcatg cagatcttcg tgaagaccct gaccggcaag actatcacc cgcaggtaga 600
gtcttcagac accatcgaca acgtc 625

<210> 9689
<211> 614
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-E10

<400> 9689

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ccctccttgc gcttcttgcc ctttttgtga gtgcaacaaa tgcgttcatt attccacaat 120
gctcacttgc tccgagtgc attattccac agttcctccc tccagttact tcaatgggct 180
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aacaaccaat tgcccaatta caacaacaat cttgggcaca tctaaccata caaaccatcg 300
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aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggtg aacctatcg 480
cctacctaca acagcaacaa cttctntcat ctagcccgct cgctatgggc aatgcaccta 540
catacctgca acaacagttg ttgcaacaac cgttgctgca acaaattgta ccagcttctt 600
actcagctag ctgt 614

<210> 9690

<211> 614

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-E9

<400> 9690

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ctcttcgctg atctcaccac cgcgcgcgacc ccgatggcct ccgccgcctc atcggcgcgc 120
gccgctggca aatcgctggt ccaggggttc cgcaggttcc tcaaaaagcc gtgggagatc 180
acgggccccct ggcgctcgcc cgagtaccgc agcgcgctgc ctggcgcgct cgagtaccgc 240
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gaccccacca aggacttccc cgtgccatac gtcaacacca ctgtcgagga ggacgacaac 480
acggtcggcg gtggctacca gaaatgatcc aggaaagctt actgatttga tgctgggttaa 540

tttgccaggc atccttgttg tgcttggact ccatgagcag ctgcacaaat ttcgtttcag 600
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<210> 9691

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-F1

<400> 9691

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atcgctact gcaccggccg cagcgtcatc attcgccgcc tcgatgcgcc cctcgacact 180

tgggtctacc ccgaccacgc ctacccacc accgtcgccc gcttctcccc caacggcgag 240

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gcgtcaagg ccgagtttcg cccctctcg ggacgcgtcg acgacctcg ctgggtccccg 360

gacggcttac gcatcgttgt ctccggggac ggcaagggca agtccttcgt ccgcgcattc 420

gtatgggact ctggcagcac agttgggtgag tttgatgggc actcaaagag ggttctgagc 480

tgtgacttca agccaacacg tccatttcgc attgtgacat gcggggaaga ttttctggct 540

aacttttatg aaggaccgcc attcaaattc aagcattcca taaggg 586

<210> 9692

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-F8

<400> 9692

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agccaagatt tttgccatcc ttgcctcct tgctctttca gcaagcgttg ctaccgcgac 120

tattattcca caatgctcac aacaatacct ctctccggtg acagccgcga gatttgaata 180

cccaactata caatcctaca ggctacaaga ggccatcgca gcaagcatct tacggtcgtt 240

agcattgacc gtccaacaac catatgccct attgcaacaa ccatacttaa tgaatctata 300

tctccaaaga atcgagcac aacaactaca acaacagttg cttccaacaa tcaatcaagt 360
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 tgtcaggagc cctgctgcct tcttactgca gcaacagttg cttccattcc atctacaagt 540
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 gggtg 605

<210> 9693

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G1

<400> 9693

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 tgtttctcat tttggagcta aggtgtaaca gaatcagcat cccaaaactg agggccaaga 180
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<210> 9694

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G11

<400> 9694

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at ttatttggc aaaaaacatc agggcacaac aactacaaca acttgtgcta gcaaacccttg 360
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aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctggtg tgagccctgc taccttcttg acacaaccac 600
agttgttgcc gttcta 616

<210> 9695

<211> 385

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G2

<400> 9695

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<210> 9696

<211> 479

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-G3

<400> 9696

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<210> 9697

<211> 623

<212> DNA

<213> Zea mays

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<400> 9697

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<210> 9698
 <211> 619
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-063-Q1-K6-H11

 <400> 9698

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tacagcgagg tcctcaactg gggggggggg ggacattttt atacgcagag gcccccgga   240
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tgctacagtg gtgggtggcg cggctaccga agtggcaacc gtggcggcat gctacagcaa  540
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<210> 9699
 <211> 640
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-063-Q1-K6-H2

 <400> 9699

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cttcttcccc cataccttcc atcaattata gcttcagtat gtgaaaaccc agctcttcaa  240
ccatataggc ttcaacaagc aatcgagca agcaacatac ctttatcgcc cttgttgttt  300
  
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caacaatcac cagccctatc tttggtgcag tcattggtac aaaccatcag ggcacaacag 360
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<210> 9700

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-063-Q1-K6-H3

<400> 9700

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<210> 9701

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-063-Q1-K6-H6

<400> 9701

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<210> 9702

<211> 645

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-A6

<400> 9702

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cctgctgcct tcttgacaca acaacagttg ttgccgttct acctg

645

<210> 9703

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-A7

<400> 9703

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gcgaccccag gcgccccggg gggggccncg cgcgggggca cgggccccgc aggcgcgacg 360
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<210> 9704

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-B5

<400> 9704

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ctacggcgac ctttttcccg caatgctcac aagctcctat agcttccctt cttcccccg 180
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<210> 9705
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 <212> DNA
 <213> Zea mays
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 <400> 9705

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 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-C4
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catcgnaagg ggataatgat nnacctggga actagnaaat caccatccct tgcataaatg 180
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<210> 9707
<211> 175
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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aaaacatagc tttatgattt tggtttcagc ttagcatgag cacatattgt gtggc 175

<210> 9708
<211> 624
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-064-Q1-K6-D12
<400> 9708

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<210> 9709
<211> 604
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 9709

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<211> 624
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 9710

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<210> 9711
<211> 596
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 9711

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<210> 9712
<211> 610
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 9712

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<210> 9713

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-064-Q1-K6-E4

<400> 9713

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cgtacggcgc attcgaaggt gcgactacc ttacctcgtt caggattgtc accagcaccg 180
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<210> 9714
 <211> 293
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-064-Q1-K6-F2

 <400> 9714

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 ctaccgcctc cgttgcttgt gggggggggg ggcaccttcc cctccccctt catctccdac 180
 ctccggggcg gcggcgccct cctgtccacc tgcgaccgcc tgttcctgtg ccgcgcgcgg 240
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<210> 9715
 <211> 597
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-G10

 <400> 9715

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 gtcacctgcc acctccggtg catctccac cgccggtcca cctgccgccc ccggtccacc 240
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 ctcagtgccg gtcgttgccg cagcagtggt gccagcagct caggcaggtg gagccgcagc 540
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<210> 9716
 <211> 569

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-G11

<400> 9716

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cgggcactgc gccacgtga acaaggcggg ggaggaggcg ctttttggtc tgtgcggcgc 180
ctcctgcgcc ttctcctgct tcaccgacag ctacgtgggc gcggacgggc gcgtgtacta 240
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cgtcttcgcc accctcgcgc tctcgcgcgc cgacaccgtc gcctgcctct acccggcgct 420
ggagctcgcc gagcccacca tgatggccgt gtcgccgcc gtcgtcggcg ccgtcgcggg 480
ctacgtcttc atggtgttcc ccaacaaccg gcacggcgtc gggtagcagc ccacgcccgc 540
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<210> 9717
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-064-Q1-K6-G2

<400> 9717

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tgcccttctt ccccatacc ttccatcaat gaccgcttta gtatgtgaaa acccagccct 180
tcaaccctac aggatccagc aagcaatcgc aacaagcaac ttacctttat cacacctgtt 240
ctttcaacaa tcgccagccc tatctttggt gcagtcattg gtacaaacca tcagggcaga 300
acagttgcag caactcgtgc taccagtgat cagccaagta gctctggcaa acctttcccc 360
ctactctcag caacaacaat ttcttcatt caaccaactg tctatactga acctgctgc 420
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gcaacaatth cttccattta accaattggc cgcactgaac ccctctgctt atttccagca 540

gcaaatacta ctaccatttg gccagctagc tacaacaagc cccgctt 587

<210> 9718

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-G3

<400> 9718

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tctgcatgtg ttgctaacgc gacaattttc cctcaatgct cacaagctcc tatagcttcc 180

cttcttcccc cataccttcc atcaatgata gcttcagtat gtgaaaaccc agctcttcag 240

ccctataggc tccaacaagc aatcgcagca agcaacatac ctttatcacc cttgttggtt 300

caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag ggcacagcag 360

ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct ttctccctac 420

tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc tgctgcttat 480

ttgcagcaac aactattacc attcagccag ctagctactg cctactctca gcaacaacaa 540

cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata 600

ctactaccat ttagccagct agctgc 626

<210> 9719

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-064-Q1-K6-G9

<400> 9719

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctaca tacctgcaac 120

aacagttgct gcaacagatt gtaccagctc tggggggggg ggggtggggca aaccctgctg 180

cctacttgca acagctgctt ccattcaacc aactgactgt gtogaactct gctgcgtacc 240
tacaacagcg acaacagtta cttaatccac tagcgggggc taaccattg gtcgctgcct 300
tcctacagca gcatcaattg ctgccctaca accagttctc tttggtgatc cctgcctcgg 360
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<210> 9720

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-064-Q1-K6-H4

<400> 9720

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ttgcctcctt atgctccttg gtatttctgc aagtgtgct acggcgacca ttttcccgca 120
atgctcacia gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc 180
ggtatgtgaa aaccaattc ttcaacccta caggatcaa caggcaatcg cagctggcat 240
cttaccttta tcacccttgt tcctccaaca atcatcagcc ctattacagc agttaccttt 300
ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 420
ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ttgcctaccc 480
ccaacaattt cttocattca accaactggc agcattgaac tctcctgctt atttacagca 540
gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca 600
accaca 606

<210> 9721

<211> 201

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-A12

<400> 9721

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aaggtatggt gcttgctgcg attgcttggt gaagcctata tgggtgaaga gctgggtttt 120
gacatactgg agctataatt tgtgtttgtt tttcgncccg aaaaaccctt tttgggtttg 180
aaaggggttt tttttttaac a 201

<210> 9722
<211> 498
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-A3

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gcagcgcgag cgagatgcaa gctcgcgctt gccttctcgg tgcccgcgat cgactggaac 180
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ccgtacatca gcccgtcgag catcgatgcg gcgatgcctt tcacgtcatc ggtcggatgg 420
ttcggctgca gccgcaccga catccggcgc gccagcccga ccgtgttgcg aaagcgcggtg 480
accacgcggc gcttgcg 498

<210> 9723
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-C10

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ggggaggacc acacgccgca ccagccacaa gngccccgnc cgcaaccccg nacagaagag 120
cgcgngcgcg gnagaccgcn accangacgg gggggggggg ggcgnnnnn aacnncaacn 180
cccacagcgc cangnacggc ancaggggca gngcaagggg ccaggncgcc agcgacaacg 240

ggaccacggg gngcagcag gngccccggg cggggcagcg ggcagcgga cccagggcg 300
 accgcgncgc caccaaggcg cagggagaag gcnccagng cagcgccgc gagacgaacc 360
 cggccccan gggcagccac ggccccggg aag 393

<210> 9724

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-C12

<400> 9724

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 ccctttgatc aggttcccca agcgggatct caaagcccca tctccatccg cgcagcgggt 180
 cgtcgcagct ccgcagacca ggcgcggggc ctgatgttcc tgttaggggc taaagcggag 240
 gctccatctt ctggggagat tcagaattac cggtttagat ctgctgtgcc ttgtccacct 300
 tctcatactg gtgttgagg tccagcttcc ctctttcta cgcgcaaacc cctgtctgaa 360
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 aattc 425

<210> 9725

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-C2

<400> 9725

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 tgcaagtgt gctacggcga ccattttccc gcaatgctcg caagctccta tagcttccct 120
 tcttcccccg tacctctcac cagcgggtgtc ttcggtatgt gaaaactcaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcacagctgg catcttacct ttatcaccct tgttctcca 240
 acaatcatca gccctattac atcagttacc tttggtgcat ttattggcac aaaacatcag 300
 ggcacaacaa ctacaacaac ttgtgctagc aaaccttgt gcctactctc agcaacagca 360

gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420
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 ggcagcattg aactctcctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540
 agctggtgtg agccctgcta ccttcttgat acaaccaagag ttgttgccgt tctaccagca 600
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<210> 9726
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-065-Q1-K6-C8

<400> 9726

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 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtatg 180
 tgaaaaccca attcttcaac cctataggat ccaacaggca atcgagctg gcattctacc 240
 tttatcacc cttgttctcc aacaatcatc agccctatta cagcagttac ctttggtgca 300
 tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgccactctc cagcaacaac agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
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 attggtgcc 609

<210> 9727
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-065-Q1-K6-D2

<400> 9727

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 aacagttgca acagtttctg ccagcgctca gtcaactagc catggtgaac cctatcgctt 180
 acctacaaca gcaacaactt ctttcatcta gcccgctcgc tatgggcaat gcacctacat 240
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 tggctaacc attggtcgct gccttcttac agcagcaaca attgctgcca tacaaccagt 480
 tctctttgat gaaccctgcc ttgtcgtggc agcaacccat cgttgggtgt gccatctttt 540
 agattacata tgagatgtac togataatgg tgcctcata gcggcatgtg tttcctaaaa 600
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<210> 9728

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-D3

<400> 9728

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 aacaagttca catgcaacca caaaaacatc agcaacaaca agaagttcat gttcaacaac 120
 aacaacaaca accgcagcac caacaacaac aacaacaaca acagcaccaa caacaacatc 180
 aatgtgaagg ccaacaacaa catcaccaac aatcacaagg ccatgtgcaa caacacgaac 240
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 gtcatgacaa gcagcaacaa ccacaacagc ctcagcaata tcagcagggc cagngaaaaa 360
 tcacaacagc aacaatgtca ttgccaggag cagcaacaga ctacaagggtg cagctataac 420
 tactatagca gtagctcaaa tctaaaaaat tgtcatgaat tctaaggca gcagtgcagc 480
 cctttggtaa tgccctttct ccaatcacgt ttgatacaac caagtagctg ccaggtattg 540
 cagcaacaat gttgtcatga tcttaggcag attgagccac aatacattca ccaagcaatc 600

tacaacatg

609

<210> 9729

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-E12

<400> 9729

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atgatccgtg ttcctgactg ggcatttgag gctgttggcc tggaaatgag agtgggtcaa 120

gatactgcat atcatcctgg tctttattta actgatgctc agagagaagc aggtgaggca 180

ctgattcaag atcttccaaa attcaggctg aaagctgttc caacggactg cagtgaatgc 240

cccatctgcc ttgaagaatt tcatgttggc aatgaggctc gtgggctccc atgcgcgcac 300

aattttcatg tggagtgcac cgaccagtgg ctccggctga atgtcaagtg cccacgggtgc 360

cgggtgctccg tcttcccaa cctggacctg agtgcggtga acaatcttcg gtcgaccagc 420

gagccggacc atccgtccgc cagcgccagc aatgtaacaa cggcaactgc agcgacgaga 480

tacgtgaggt cgcagccggc aggtcaaagc tatttggtgc ggttgcaagg gctgctgctc 540

cgccctgtcc ggcacgatag cgtggaggag agtgacgggt agccggcggt gggcaacagt 600

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<210> 9730

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-E6

<400> 9730

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cccgcaatgc tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggt 180

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<210> 9731

<211> 540

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-F12

<400> 9731

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ccgtgcacat aggataggtc aaaagaaaga agttcaagtg ttccgctttt gcactgaggg 180
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<210> 9732

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9732

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 gcattgaact ctgctgctta tttgcaacaa caattaccat tcagccagct agttgctgcc 480
 tccccccagc aatttcttcc attcaaccaa ctagcagcat tgaactctgc tgcttattta 540
 cagcagcaac aactactacc attcagccag ctagctgatg tgagccctgc tgccttcttg 600
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<210> 9733

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-F3

<400> 9733

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 atttcaatgg gcttcgaaca tccagccgtg caagcctaca ggctacaact agcgcttgcg 240
 gcgagcgctt tacaacaacc aattgcccaa ttgcaacaac aatccttggc acatctaacc 300
 ctacaaaacca ttgcaacgca acaacaacaa caacaacagt ttctgccatc actgagccac 360
 ctagccgtgg tgaaccctgt cacctacttg caacagcagc tgcttgcatc caaccactt 420
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 ctcagtcaac tagccatggc gaaccctgcc gtctacctac aactacttct atctagcccg 540
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<210> 9734

<211> 608
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-065-Q1-K6-G2

<400> 9734

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attccacaat gctcacttgc tccaagttcc attattacac agttcctccc accagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc aattgcggcg 240
agcgtcttac aacaaccaat ttcccagttg caacaacaat ccttggcaca tctaacaata 300
caaaccatcg caacgcaaca gcaacaacaa ttctaccag cactgagcca cctagccatg 360
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aacgtagttg caaaccagcc acaacaacag ctgcaacagt ttctgccagc gctcagtcaa 480
ctagccatgg tgaaccctgc cgctaccta caacagcaac aactgctttc atctagcccg 540
ctcgtgtggt ccaatgcacc tacatacctg caacaacaat tgttgcaaca gattgtacca 600
gctctgac 608

<210> 9735
<211> 529
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-065-Q1-K6-G9

<400> 9735

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aactctcttg cttatttaca gcagcaacaa ctactaccat tcagccagct agctggtgtg 180
agccctgcta ccttcttgac acaaccacag ttgttgccgt tctaccagca cgctgcgcct 240
aacgctggca cctctttaca actgcaacaa ttgctgccat tcaaccaact tgctttgaca 300
aaccagcag cattctacca acaaccatc attggtggtg cctcttttta gatttcttat 360
gagttatagt tcaataataa agttttttgt ctgatgtttg tggcttccca gaaataagaa 420

agtacatttc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagag 480

gggaaaaaaaa aattttttaa aaaaaaaaaa agattatatg cgggggcat 529

<210> 9736

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-H6

<400> 9736

tttgnanaac aactagcaac atagnaaagc acaatagtgt accaacaatg gcagccaaa 60

tattttgcct ctttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc 120

cgcaatgctc gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg 180

cttcgggtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcgctg 240

gcatcttacc tttatcacc ttgttctcc aacaatcatc agccctatta caacagttac 300

ctttggtgca tttattggca caaacatca gggcacaaca actacaaca cttgtgctag 360

caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat 420

tgaactctgc ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct 480

acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac 540

agcagcaaca actactacca ttcagccagc tagctggtgt gagccctgct accttcttga 600

cac 603

<210> 9737

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-065-Q1-K6-H7

<400> 9737

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tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120

tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttca 180

gtgtgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc agcaagcaac 240
 atacctttat cgccttggt gtttcaacaa tcaccagccc tatctttggt gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat' ttcttccatt caaccaactg 420
 tctacactga accctgctgc ttatttgcag caacaactat taccatttag ccagctagct 480
 actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
 gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc agcaagtcgg 600
 gcttcttct tg 612

<210> 9738

<211> 208

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-A4

<400> 9738

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 ctccagcaag tcttgaagct tttcggcgag ngngggggnn nnnnncccc ttttttttn 180
 nnnnncccc cccccccct tttttttt 208

<210> 9739

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-A7

<400> 9739

atagcttcag tatgtgaaaa acccagctct caaccatata ggcttcaaca agcaatcgca 60
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 cagtcattgg taaaaacat cagggcacia cagctgcagc aactcgtgct acctgtgatc 180
 aaccaagtag ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc 240

aaccaactgt ctacactgaa cctgctgct tatttgcagc aacaactatt accatttagc 300
 cagctagcta ctgcctactc tcagcaacaa caactttctc catttaacca attggccgca 360
 ctgaaccccg ctgcttattt gcagcagcaa atactactgc catttagcga gctagctgca 420
 gcaagtcgtg cttccttctt gacacagcaa cagttgctgc ctttctacaa gcagtttgcg 480
 gctaaccccg caaccctctt acaactacaa caattgttgc ctttgtcca acttgctttg 540
 aaaaaccag cagcctcta ccaacaacac atcattgggt ggtgccctc ttcttacatt 600
 gattattagt tgt 613

<210> 9740

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-B5

<400> 9740

tttgagcatt cagnaaacac accaagcgaa cgcactagca acggacgcta acaacaatgg 60
 ctaccaagat attagccctc cttgcgcttc ttgccctttt tgtgagcgca acaaatgcgt 120
 tcattattcc acaatgctca cttgctcta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggcttcgaa cacctagctg tgcaagccaa catgcaacaa caagcgcttg 240
 cggcgagcgt cttacaacaa ccaattgcc aattgcaaca acaatccttg ccacatctaa 300
 caatacaagc catcacaacg caacagcaac aacagttcct accagcactg agccacctag 360
 ccatggtgaa cctgcccgc tacttgcaag agcagctgct tgcattcaac ccacttgctc 420
 tggcgaacgt agttgcaaac cagcaacaac aacagctaca acagtttctg ccaacgctca 480
 gtcaactagc catggtgaac cctgccgcct acgtacaaca acaacaactg cttttatcta 540
 gccccctcgc tgtgggcaat gcacctacat ac 572

<210> 9741

<211> 524

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-B8

<400> 9741

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tgcttgccac agtcttggtc ttcctcatag ttatctatctt ccaaggcttc cgtgttggtc 120
ttccagttag atcaaagaat gctcgtggcc agcaaggctc atatccaatt aagctatggg 180
gggggtggaaa catgcccacg attctgcaat ctgcaatgat taccaacctc tatttcatat 240
cccagcttct ctacaggaag tacagtggaa acttcttctg taaccttctt gggatgtgga 300
aggagtctga atactctggc cattctgttc ctgttggtgg tcttgcttac tatgtaactg 360
ccccatcaag ttgggtgat gtccttgcaa atccattcca tgcactgttt tatgtggtct 420
tcatgtgtc agcttgccgt ctgttctcaa aaacgtgatt gaaatttctg gttcatcagc 480
aaaggatgtt gctaaacagc ttaaggaaca acaaatgggtg atgc 524

<210> 9742

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C1

<400> 9742

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aaaacaaagg tgctgattga ttcttgagag tgagaccaat tcttggttg cttagatgag 120
ccagaatata cataccttgc tcaatgggca ttttgggggg ggaggagcct tttagacctt 180
ctcaagtcaa aatatattca anacatgact ttggatctga aatctctcca gagctgtcta 240
gatcatagtg tgcaggcatg catttttacg ggctattggg aggatgttgg aacaatcaaa 300
tcattctttg atgcaaactt ggcctcact gaggagcctt ccaagtttga tttttatgat 360
ccaaaaacac ctttcttcac tgcaccccgga tgcttg 396

<210> 9743

<211> 591

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C2

<400> 9743

gngaccgact tctaaaatgg gctagtngaa gatgatcata ctggacgtgt acttcaattc 60

tttgaaaaac aagggtgctg atttgaattc tatgagagtt gagaccaact tcctgagcta 120

tgctatagat gatgcacaga aatatccata ccttgcatca atgggcattt atgtcttcaa 180

gaaagatgca cttttagacc ttctcaagtc aaaatatatt caattacatg actttggatc 240

tgaaatcctc ccaagagctg tactagatca tagtgtgcag gcatgcattt ttacgggcta 300

ttgggaggat gttggaacaa tcaaatcatt ctttgatgca aacttggccc tcaactgagca 360

gccttccaag tttgattttt atgatccaaa aacacctttc ttcactgcac cccgatgctt 420

gcctccgacg caattggaca agtgcaagat gaaagatgca tttatctcag atggttgctt 480

actgagagaa tgcaacatcg agcattctgt gattggagtc tgctcacgtg tcagctctgg 540

atgtgaactc aaggactccg tgatgatggg agcggacacc tatgaaactg a 591

<210> 9744

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-C6

<400> 9744

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gaaaaaaaaa aaaaaaaaaa aaaaagggcg gaacgatata aagggtccaa agcttactaa 120

cgcatcgaat gctaacgtaa ctaaagtctt gtatagtggg caccttaatt taatttcact 180

gagcccgctc ttttacaact gtgccgcact ggtaaaaacg gtgggggggg ggcaaattaa 240

tgggccttgg cgaactata 259

<210> 9745

<211> 493

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-D1

<400> 9745

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ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tcgcaagctc ctatagcttc 120
 cctttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc caattcttca 180
 accctacagg atccaacagg caatcgcagc tggcatctta cctttatcac ccttggtcct 240
 ccaacaatca tcagccctat tacaacagtt acctttggtg catttattgg cacaaaaat 300
 cagggcacaa caactacaac aacttggtg agcaaactt gctgcctact ctcagcaaca 360
 gcagtttctt ccattcaacc aactaggttc attgaactct gcttcttatt tgcaacaaca 420
 acaaccatc attggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 480
 agttttttat ctg 493

<210> 9746

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-D4

<400> 9746

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 gccatccttg ccttccttgc tctttcagca agcgttgcta ccgcgactat tattccacaa 120
 tgetcacaac aatacctctc tccggtgaca gccgcgagat ttgaataccc aactatacaa 180
 tcctacaggc tacaagaggc catcgcagca agcatcttac ggtcgttagc attgaccgtc 240
 caacaacat atgccctatt gcaacaacca tccttaatga atctatatct ccaaagaatc 300
 gcagcacaac aactacaaca acagttgctt ccaacaatca atcaagtagt tgcagcgaac 360
 cttgctgctt acctccagca acaacaattt cttccattca atcaactagc tgggggtgaac 420
 cctgctgctt acttgcaggc acaacagcta ctaccattca accaacttgt caggagccct 480
 gctgccttct tactgcagca acagttgctt ccattccatc tacaagttgt ggcaaacatt 540
 gctgctttct tgcaacaaca acaacaattg ctgccatttt acccac 586

<210> 9747

<211> 624

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-E3

<400> 9747

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aaaatTTTTTg cttccttatg ctcccttggtc tttctgcaag tgttgctacc gcaaccattt 120
tcccacaatg ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg 180
tgtcttcaat gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa 240
caggcatctt accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt 300
tacctttggg ccatttgggt gcacaaaaca tcagggcaca acaactacaa caacttgtgc 360
tagcaaacct tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg 420
cattgaactc tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac 540
agcagcaaca actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga 600
cacaacaaca gttgttgccg ttct 624

<210> 9748

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-F4

<400> 9748

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ttttgcctcc ttatgtctct tgggtcttct gcaagtgtct ctacggcgac cattttcccg 120
caatgtctgc aagctcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
tcggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cacagctggc 240
atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca tcagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgtct cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
ccccagcaat ttcttccatt caaccaactg gcagcattga actctctctgc ttatttacag 540

cagcaacaac tactaccatt cagccagcta gctggtgtga gccctgctac cttct 595

<210> 9749

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-F5

<400> 9749

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tctttctgca agtgctgcta cggcgaccat tttcccgcga tgctcgcaag ctccctatagc 120

ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct 180

tcaaccctac aggatccaac aggcaatcgc agctggcctc ttacctttat cacccttggt 240

cctccaacaa tcatcagccc tattacaaca gttacctttg gtgcatttat tggcacaaaa 300

catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360

acagcagttt cttccattca accaactagg ttcatagaac tctgcttctt atttgcaaca 420

acaacaacta ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa 480

ccaactagca gcattgaact ctctgctta tttacagcag caacaactac taccattcag 540

ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt tgccgttcta 600

ccagcacggt ggcct 616

<210> 9750

<211> 622

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-G5

<400> 9750

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tcctgttgag cctaattggt atatggtcat gctatgctac aaaaatggct ccttgaccag 120

agaagagtac gaaatcgctg tgcagacaaa natgggacgt ttttaacagc tatctgggag 180

aaaacacccc ctctaaatgg tgggaagtta ggattctact acaaagacca tgaaatcctc 240

cctccacttc cagtgggttt ccatcggtac actgtcgaaa acctcaacga cgtctcatca 300
 gagctctgtg tggaccgtga agtgggaagaa tttgaccac cgtccgaggt tcgtgccatc 360
 attgagggcc aaatgctgtc gatgcgaggc cagcccgaga ggtttggcat gccgaaccct 420
 cccaaacgga tcatagcaac cggcggggca tctccaacg aaagcatcct caagtcggtc 480
 ggcgagatct tcggttgccc tgtcttcaca gtccagagac ctgattcggc atcgctgggc 540
 gcagcgctga gagctgcccc cgggtggcta tgcaacggc aagggtagct tcgtcccat 600
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<210> 9751

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-066-Q1-K6-H1

<400> 9751

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 tttccacat gtcacaagc tcctatagct tcccttcttc cccatacct ctcaccagcg 180
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 acaggcatct taccattatc acccttggtc ctccaacaac cgtcagccct attacagcag 300
 atacctttgg tccatttggg ggcacaaaac atcggggcac aacaactaca acaacttggt 360
 ctagcaaacc ttgctgcata ctctcagcaa catcagtttc ttgcattcaa ccaactggct 420
 gcggtgaact ctgctgctta tttgccacaa caattaccat tcagccagct agttggtgcc 480
 tccccccagc aatttcttcc attcaaccaa ctagcatgat tgaactctgc tgcttattta 540
 cagggtcatc aactactacc a 561

<210> 9752

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-066-Q1-K6-H4

<400> 9752

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aacacgaaca gagccatgag caacaccaag gacagagcca tgagcaacaa catcaacaac 120
aattccaggg tcatgacaag cagcaacaac cacaacagcc tcagcaatan tcagcagggg 180
ccagggaata atcacaacag caacaatgtc attgccagga gcagcaacag actacaaggt 240
gcagctataa ctactatagc agtagctcaa atctaaaaaa ttgtcatgaa ttcctaaggc 300
agcagtgcag cccttttgga atgccttttc tccaatcacg tttgatacaa ccaagtagct 360
gccagggtatt gcagcaacaa tgttgcctatg atcttaggca gattgagcca caatacattc 420
accaagcaat ctacaacatg gttcaatcca taatccagga ggagcaacaa caacaaccat 480
gtgagttatg tggatctcaa caagctactc aaagtgcggg ggcaatcttg acagcagcac 540
aatacctacc atcaatgtgc ggcttgtacc actcatacta ccaaaataat ccatgca 597

<210> 9753

<211> 268

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-A7

<400> 9753

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cattgctcac actgacactg ccaccaggt gatgcgtgac acattattac tcaatcatcg 120
ccgctaaatg actcaactag ctagctagcc agcggctata ctacancaca tggggggggg 180
gggggggggac acccccnca gcanctcang canntnnanc cccancaccc ctaccanncn 240
atcttctnct tnttctcca ntccatcc 268

<210> 9754

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-A8

<400> 9754

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 tgctcacaag ctcttatagc ttccttctt ccccatacc tctcaccagc ggtgggggga 180
 gtgggggaaa acccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc 240
 ttaccattat cacccttgtt cctccqacaa ccgtcagccc tattacagca gttacctttg 300
 gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgcat actctcagca acatcagttt cttccattca accaactggc tgcattgaac 420
 tctgctgctt atttgcaaca acaattacca ttcagccagc tagttgctgc ctaccccag 480
 caattttctt cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa 540
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 cagttgt 607

<210> 9755
 <211> 543
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-067-Q1-K6-C2
 <400> 9755

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 cacgtatgac ggccgcacca tccgctaccc tgacccctc atcaaggcca acgacaccat 180
 caagatcgat ctggagacca acaagattgt ggacttcac aagtttgatg ttggcaacgt 240
 cgtcatgggtg actggcggaa ggaacactgg ccgcgtgggt gttatcaaga acagggagaa 300
 gcacaagggc agctttgaga ccattcacgt ggaggactcc ctgggccacc agttcgccac 360
 ccgtatgggc aacgtgttca ccacggcaa gggtaataag ccgtgggtga gcctgcccaa 420
 gggcaaggga atcaagctga acatcataan aagagcaaag gaagcgggat gccgctgcc 480
 aggtgctgc caacgcataa attctttgaa tgtgctgtgt tgagagtttt tttctagttg 540
 ctc 543

<210> 9756
<211> 615
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-D3

<400> 9756

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cctcttttgcg cttctttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
ctcacttgct cctagtgcga ttattccaca gttcctccct ccagttactt caatgggctt 180
cgaacaccca gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca 240
acaaccaatt gcccaattac aacaacaatc cttggcacat ctaaccatac aaaccatcgc 300
aacgcaacag caacaacaat ttctaccagc actgagccaa ctagctgtgg tgaaccctgt 360
cgctacttg caacagcagt tgcttgcac caacccactt gctctggcaa acatagtgc 420
ataccaacaa caacaacaat tgcaacagtt tctaccagcg ctcaagtcaac tagccatggt 480
gaaccctgcc gctacctac aacagcaaca actgatttca tctagccctc tcgctgtggt 540
taatgcacct acatacctgc aacaacagtt gctgcaacag attgtaccag ctctgactca 600
gctagctgtg gcaaa 615

<210> 9757
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-D4

<400> 9757

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cccccccccc ccccccccc ccnccccccc ccccccccc ccccccccc ccccccccc 180
ccccccccnc cccccccnc ccccccccc cccccccnc ccccccccc ccccccccc 240
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406

<210> 9758

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-D6

<400> 9758

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gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagt 480
ctcagtcaac tagccatggg gaacctgcc gtctacctac aactactttc atctagccc 540
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<210> 9759

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-E5

<400> 9759

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<210> 9760

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-067-Q1-K6-F1

<400> 9760

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 cgctgcgect aacgctggca ccctcttaca actgcaacaa ttgctgccat tcaaccaact 360
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<210> 9761

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-G1

<400> 9761

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tgccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg caacgcaaca 180
 gcaacaacaa tttctaccag cactgagcca actagctgtg gtgaaccctg tcgcctactt 240
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<210> 9762
 <211> 484
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-067-Q1-K6-G2

 <400> 9762

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 aagaattttt atagcataag ccaagtgttc tgatgatttt gttttttcaa ttgtattttc 420
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 tggt 484

<210> 9763
 <211> 604
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-067-Q1-K6-G3

<400> 9763

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gtgtcataga cgttgctgct gctggtcacg gtcattggtgg cggcgacatg atggatcagc 360
agcacgccac agagtggacc tttgagaggt tactggaaga ggaggctctg acgacaagca 420
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ggccgccggg gatggaagag gcggtaatga tggcgccctgc ggcggtgagt agtgccgtag 540
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cctt 604

<210> 9764

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-G5

<400> 9764

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gtgaaacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcattctac 240
cattatcacc cttgttctct caacaaccgt cagccctatt acagcagtta cctttgggtcc 300
atttgggtggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgctgcctac cccagcaat 480
ttcttccatt caaccaacta gcagcattga actctgctgc ttatttacag cagcaacaac 540

tactaccatt cagccagcta gctgatgtga gccctgctgc cttcttgaca caacaacagt 600
tgttgccggt ctacctgcac 620

<210> 9765

<211> 339

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-067-Q1-K6-H2

<400> 9765

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ggggggcccca ctcttcaac cctccacact cctcactta tttccaacct cctctctctc 180
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ntccctctcn acacctcttc tccttcacct cctcctacca tttcttctct tctcttctt 300
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<210> 9766

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-A1

<400> 9766

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cgtacatgca acaacgcaat ggtactcttg gaactgaaac ccatgactgc taggatcaat 180
aacatccatg caacatccat ttaatccgct gaaaccaca agaaccctg gtgatgcgga 240
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tggaactgaag atagtaacaa aactgttcgt gaataaaacc tgaatcacc ac 472

<210> 9767
 <211> 561
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-A3

<400> 9767

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<210> 9768
 <211> 612
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-068-Q1-K6-B1

<400> 9768

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tgggaggatc agcatggccg gtttgagcat gaggactgtg ccccatcttg cagatgccat 480
 acacgctgca gttactcaac tgaaatgagg atagtatcgc agctttcgtg aataaaacct 540
 gaatcaccca caacaatggt ctaagtactc agccagtggg atttactggg tgacctactg 600
 tagtttgcgt cg 612

<210> 9769

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-B7

<400> 9769

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 atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactggca gcattgaact ctctgctta tttacagcag caacaactac 540
 taccattcag ccagctaact ggtgggagcc ctgctacctt cttgatacaa ccacagtt 598

<210> 9770

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-B8

<400> 9770

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caggcggctg cagctgtggg ggggggggga cncnncan caacatcatc cacaacaaca 180
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 ccaacagagc catgagcaac accaaggaca gagccatgag caacaacatc aacaacaatt 480
 ccagggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc caggccagga 540
 aaaacacaac agcaacaatg tc 562

<210> 9771

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-C3

<400> 9771

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<210> 9772

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-E4

<400> 9772

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gcagcccgac ggcgacgcc tactgctcgc ctcagtgcc gtcgttgccg cagcagtgtt 480
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<210> 9773

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-F2

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gcctacctac aacagcaaca actgatttca tctagccctc tcgctgtggg taatgcacct 540
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<210> 9774

<211> 587

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-068-Q1-K6-F5

<400> 9774

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<210> 9775

<211> 530

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-G3

<400> 9775

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 ttcactttct tcccttcaac caactttcat cattcaactt ttcttcttat ttacattatt 480
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<210> 9776

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-H1

<400> 9776

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 cccaggttga agggagaata tcttccaaag ggagtcgcta agcttgctgc agtggcagct 540
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<210> 9777

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-068-Q1-K6-H4

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ctcgctctcc tggctctcgc tgcgagcgcc acctccacgc atacaagcgg cggctgcggc 180
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<210> 9778
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-068-Q1-K6-H5

<400> 9778

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 atgtcacaa gctcctatag ctcccttct tccccatac ctctcaccag cgggtgtcttc 180
 aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg caacaggcat 240
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<223> Clone ID: LIB3061-068-Q1-K6-H6

<400> 9779

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<210> 9780

<211> 285

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<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-B1

<400> 9780

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cctcatgctc acaagctcct atagcttccc ttcttcccc ataccttcca tcaatgatag 180

cttcagtatg tgaaaaccca gctcttcagc cctataggct ccaacaagca atcgcgacaa 240

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<210> 9781

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-B9

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gctcgcaagc tcctatagct tcccttcttc ccccgctacct ctcaccagcg gtgtcttcgg 180

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aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac 600
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<210> 9782

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-C1

<400> 9782

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cagcagcagc agctgctggc agcccagggt ctcaacccca tggccatgat gatggcgagc 480
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<210> 9783

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-C6

<400> 9783

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aatgtctaca agctcctata gcttcccttc ttccccata cctctcacca gcggtgtctt 180

caatgtgtga aacccaatt gttcaaccct acaggatcca acaggcaatc gcaacaggca 240
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<210> 9784

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-D4

<400> 9784

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 tectatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
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 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
 tccattcaac caactggcag cattgaactc tctgcttat ttacagcagc aacaactact 540
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<210> 9785

<211> 164

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-069-Q1-K6-F1

<400> 9785

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ctcctatcgc ttcccttctt cccccgtacc tctcaccgc ggtggcttcg gcctgtggca 120
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<210> 9786

<211> 525

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-F6

<400> 9786

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ttgaggctga ccagatcgtc gcttggttga aggagtactt tgatggcaaa ttgacgccgt 180
tcaggaagtc tgagcctatt cctgagggtca acaatgagcc tggttaagggtg gttgtcgctg 240
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agtttgacgt ccaaggctac ccgacctgt acttcgtgac cccgagcggg aaggtgacat 480
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<210> 9787

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9787

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 cgactcggcg cgctcatta ccggtaccgc cgaccagacc gccaaagctat gggaggtcag 240
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<210> 9788

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-069-Q1-K6-H3

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 gcggtgtctt cggatgtga aaaccaatt cttcaaccct acaggatcca acaggcaatc 240
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<210> 9789

<211> 421

<212> DNA
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<400> 9789

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caatgatagc tccaccatgt gaaaaggagg ctcttcanc cttatangctc caacaagcaa 180
tcncancaag caacatacct ttatcacctt tgntgtttca acaatcccga cccctatctt 240
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 <211> 675
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 9790

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gggggggggtg gggggggggg tggggggggg ggggggtggg gggggggggg gggggggggg 660
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<210> 9791

<211> 296

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-A5

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<210> 9792

<211> 545

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-A9

<400> 9792

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545

<210> 9793

<211> 490

<212> DNA

<213> Zea mays

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<400> 9793

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<210> 9794

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 9794

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<210> 9795

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-B2

<400> 9795

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<210> 9796

<211> 569

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B3

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<210> 9797

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B4

<400> 9797

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<210> 9798

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B5

<400> 9798

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gcctcgacaa gacaggattc atcaaagaga actggttgta tggcagcaat tgttgctgct 180
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<210> 9799

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B7

<400> 9799

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<210> 9800

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-B9

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<210> 9801

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C10

<400> 9801

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 aattacaact aataagcaat ctaaaagagg caccgccaat gatgtgttgt tggtagaagg 120
 ctgctgggtt tgtcaaagca agttggacaa agggcagcaa ctggtgcagt tgtaagaggg 180
 ttgcggggtt agccacaaac tgctggtaga acggaagcac ttgttggtgt gtcaagaagg 240
 aagcggggct tgttgtagct agctggccaa atggtagtag tatttgctgc tggaaataag 300
 cagaggggtt cagtgcggcc aattggttaa atggaagaaa ttgttgctgc tgagagtagg 360
 cagtagctag ctggctgaat ggtagtagt gttgttgctg caaataagca gcagggttca 420
 gtatagacag ttggttgaat ggaagaaatt gttgttgctg agagtagggg gaaaggtttg 480
 ccagagctac ttggctgac actggtagca cgagttgctg caactgttct gccctgatgg 540
 tttgtaccaa tgactgcacc aaagatgggc tggcgattgt tg 582

<210> 9802

<211> 323

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-C11

<400> 9802

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gggggggggg ggttgggggt gttttggtgt gggggggggg ggggggggat gggttatatt 120
tggtggagag gggggaagga tggggggtgt gggggggggg gggggggggt tggnnntaan 180
tggtggtggg tggggtagga aggttggttg tgtgtggggg gggggggggg tggtggtggt 240
ttttgggggg ggggtggggg tttgggggtg tgggtggggg gggggggggg tggggggggg 300
ggtggggggt gggggggggg ggg 323

<210> 9803
<211> 575
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C4

<400> 9803

aggaaatgta ctttcttatt tctggaagc cacaaatatt agcaaaaaaa ctttattatt 60
gaactataac tcataagcaa tctaaaaggg gcaccaccaa tgatgggttg ttggtagaac 120
actgctgggt ttgtcaaagc aagttggtcg aatggcagca attggtgcag ttgtaagagg 180
gtgccaacgt taggcgcagt gtgcaggtag aacggcaaca aatggtgctg tgtcaagaag 240
gcagcagggc tcacagcagc tagctggctg aatggtagta gttggtggtg ttgtacataa 300
gcatgagagt tcaatgctgc cagttggttg aatggaagaa attgcggggg gtaggcagca 360
gctagctggc tgaatggtag tagttgttgt tgctgcaaatt aagcagcaga gttcaatgca 420
gctagttggt tgaatggcag aaactgttgt tgctgagagt aggcagcaag gtttgctagc 480
acgagttggt gtagttgttg tgccctgatg ttttggtcca acaaatgcac caaaggtaac 540
tgctgttgct tgagagtagc agcaaggttt gctag 575

<210> 9804
<211> 569
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C5

<400> 9804

aagaatctag aaagtacttt cttatttctg ggaagccaca aacatcagat aaaaaacttt 60
attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
gtagaacact gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg 240
caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360
ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
tgaacctagt tgggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
tagcacaagt tgtttagatt gttgtgccct gatgttttgt gccataaat gcaccaaagg 540
taactgttgt aatagggctg atgattgtt 569

<210> 9805

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C6

<400> 9805

atcgagaaaa atgtcaatca atatattgat tatttctagg aaacacatgc cggtatgagg 60
gcaccattat cgattacatc tcatatgtaa tctaaaagag gcacctccaa cgatggggtg 120
ctgccacgac aaggcagggt tcatcaaaga gaactggctg tatggtagca attgttgctg 180
ctgtaggaag gcagtgacca atgggttagg cactgctagt ggattaagta actgttgctg 240
ctgttgtagg tacgcagcag agttcgacac agtcagttgg ttgaatggaa gcagctggtg 300
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caattgttgt tgcaggtatg taggtgcatt acccacaacg agagggctag atgaaagcag 420
ttgttgctgt tgtaggtagg cggcagggtt caccatggct agttgactga gcgctggcag 480
aaactgttgc aattgttgtt gttgttggtg tgcagctacg tttgccagaa gcaagtgggt 540
ggatgcaagc acctgctgtt gcaagtaggc g 571

<210> 9806
<211> 499
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C7

<400> 9806

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gcaccattgt cgagtacatc tcatatgtaa tctaaaaaag gcacctccaa cgatggggttg 120
ctgcaaggca gggttcatca aaaagaactg gttgtatggc agcaattggt gttgctgctg 180
caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
ttgtaggtac ccagcaaagt ttgacacaac cagttgggtg aatggaagca actggtgtaa 300
gtaggcagca gggtttgcca cagctagctg agtcaaagct ggtacaattt gttgcaacaa 360
ctgttggtgt aggtacctag gtgcattgcc caccgcgagc gggctaaatg aaagtagttg 420
taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actggtgcaa 480
ctgttggtgt tgctggtat 499

<210> 9807
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-C8

<400> 9807

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gccttcaa at tgggtccatgg ggacaaacaa attttttgca aaacaattgc caaataaggg 120
ggggctacat tctacaattg gcatgtacag cccccctacc tccaatttta gggttactaa 180
aagcagttag ggtggcagtt acaaagggtt taatttatgc cccaacccca agttcaaaaa 240
tgtcacacaa cataaagggc catcacaagg gtggcctttt tttcaccttt tgggggtaca 300
atztatcaag ggcgtcaacc atggccttgc ggaatgcatt cttgtggagg aaaa 354

<210> 9808
<211> 399
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-D10

<400> 9808

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ttttgtgggg gggggaagag ggggtggggg gggggggggg ggtggtgggg gaaagggagt 120
ttttgttggg gtgtcccggt ggaagcacga gtaggggggg ggagcccgga aaatgggggg 180
gggggggggg ggtggaattt tgccgcgggg tttagggggc gggaagtggg taaatgggag 240
aaggaagg gggggggggg tcctttttgt tttttttgtg gggggggcga ctaggtgggt 300
tgggtttaag agagccccct ttgttgctgt gttttttnt tttgggggtg ggtttttgtg 360
tgtgggggtt taaggcgggg ggggggggtg gggggggccc 399

<210> 9809

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D11

<400> 9809

aacgaacggc aggtgttttg gatagagtac cactaccagg gtacagaagg agcgaaaact 60
acagcccaaa acaaggggcc ggaatgaagt taaacacaac gggaggctac tagtttaaca 120
agtttattta ttatcgctca tcgaccatgc acggacgcca cagtaggggg cggcacgtag 180
gggcgggcgc gcgccacggc atcacatgat cacatcttcc cctggcgatg cacgcaggac 240
gagccggcgc aaccctccac gcacttttcg acgcactggg ccacccgctc cgccgcacgc 300
tgctgcatca gccggtcctt ctctcgaag tacaccgaag ccgccttttc cgccgcgcgt 360
tccttcgccg tgcgcttgct ctgcgcgcc agccggacgt tgacgtgctg accttgcccc 420
agcgtcagct tctccttgat cgcgccgctc acgttcccc agcggccag cagaccttgt 480
ccctgctccc tatcagtgtc ctgagtgtg gccgtctc 518

<210> 9810

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D2

<400> 9810

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ggttttcaac ttttttagcaa tttaaaaaat gggcccccca attttttttt tttggggaaa 120
gggttttggg ttttttaaaa aaaggtgggc aaaggggggc ccctttttcc tttttaaaag 180
gggtgggggg tttgccccaa aatttttggg gaaaggaagc aatttttttt tttttaaaaa 240
agaaaggggg gttttttttc cttgctggcc aaatgggggt tgttttttgt gggggaaata 300
aaccgggggg ttttcggggg cccttttttt taaaggaaaa aatttttttt 349

<210> 9811

<211> 72

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-D3

<400> 9811

ggcttatgag cacatgcatt tctaccaggg gtccaactta aaattggttc acattttcaa 60
cacagnaaac ct 72

<210> 9812

<211> 149

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D5

<400> 9812

atgagaactt tattattaca gtataaagca taaaaaatct agaagaggca ccaccaatgg 60
tgggctgctg caataagggtg gtaggattcg tcaaagcaag ttggttaaat ggcagcaatt 120
gttgttgttg taagaaggcg acattgttt 149

<210> 9813

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D6

<400> 9813

gatcaaaaca ttgtcaaaac ttatcaacag gttatgttac cacaatgcc accaatttaa 60
tcgggcataa gcaccggacc ggaccacaca gtttaacggt gacattgctc tgacgctagg 120
ctcaggtcct gagtctacag aacactatag cttgtgcacg gg 162

<210> 9814

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-D7

<400> 9814

aaaaagtact tttttttttt tgggggcccc caaacattat tcaaaaaact ttatttttgg 60
actttttactc ataagcaatt taaaagaggg cccccccaat ggtgggttgt tggtagaaca 120
ctgttgggtt tgtcaaaaca agttgggtga atggcaacaa ttgttgcagt tttaaaaggg 180
tgccagcggt aggcattgcg tgcagggtga acggcaacaa cttttttttt tttaaaaggg 240
caacagggct cacattaact agctggctta atggtaatag ttgttgcttc tttaaataaa 300
cagcaaagtt caatgcttct tgttgggtga atggaaaaaa ttgcttgggg taggcaacaa 360
ctaactggct taatggtaat tgttgttgca aataaacgc aa 402

<210> 9815

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-E8

<400> 9815

aaatgcaatc cttaacttaa ttcactgcac ttctcaatat tataattctga ctacaaagaa 60
ccgcagcgca tagacacaac cttattaagt tgagagaaaa aaaaacatgc atctttaacc 120
ttataacttg cgatgtaaaa acggaatatc aaaagtgcta aaacagagaa agtttcgcct 180
gtaaaaacgg aatatcaaaa gtgatttcgc ctgcgctaagt tcccttcttc taaccgaata 240
taaatacggg acccctcagt aagtcctcat ctataactcc cggcagagtc caacatttgt 300
ggttgtccaa aactttcata gcatgccaga ctgcagcctt aactgcca gtctttaccg 360

acgacctcca ggctttcttg caggcggggc ctgctcgctc tcgtccgatt caacatctcc 420
gtactgccaa atccgcagcc tttcttctt tgccttgctc tggaactgtt c 471

<210> 9816
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-F10

<400> 9816

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gttgctgcaa cttttagggc agcttataac agtacatact agcagcacia atggtcaaag 120
aacaacatgc caaactaccc attttgcgcc cgaacccttg actttctgta aaacgggttt 180
taccatacca aggttacacg atccattgat gcaataccat tgtaggttct tgttttgtaa 240
acccaaacc agcccatcta tatgacaaac ccacggttga tgggtgcatt tttcaagatc 300
accacgattc caaaccttat gtagtaccct ttttcgggt gaacaacctc ttggatgccc 360
ttactgtttg ggatcaccac gtttttccca atcctagcat tcatgtcaaa gatacaaacc 420
cttatttttg ggttccttc 439

<210> 9817
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-F2

<400> 9817

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ttttttggtg gccattctct ccnaacttt ttttggttca ctttagcttc taaggggccc 120
ccaatgatgg tgtggtgggg ccgttggtg caagcagttg gctgggctca ttgtgtgttg 180
tgaggggtg ggggtgctgt atgtggtgtt ggggttctgt tgtggttttg ggggcccgtt 240
tgtgctgttg tgcttttggt gtggttttgt tg 272

<210> 9818

<211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F3

 <400> 9818

 gggaaattaa atttttattt tttggggggc gcgttcctta gccaaaaaa tcatttttgg 60
 atttcaactt ataagcaatt taaaaaaggg gacccccaaa aatttggtgt tgggagaagg 120
 gtgctgggtt tgtcaaaaca aggtgggcaa agggcgcaat tggtgagtt gtaaaagggg 180
 gccaaaggtt ggggcaacgt gctgggtgaa cggaacaac tgggggtgtg tcaaaaaggg 240
 ggcaggggtt acaccaacta gctgggtgaa tgggggtagt tggtgctgct ggtaataagc 300
 cggaaagttc aatgctgcta gttgggtgaa aggaaaaaac tgtttttgct 350

<210> 9819
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F6

 <400> 9819

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 ccccttttcc ggggtcccc ctttgggaac caaaaaaggg ccccccaac catgggttgc 120
 tcctgtggga aggcaccccc caaggggtta cccccctg ggggataaag aaaccgtggc 180
 ccctgtggta ggccccacc aaagtcccc ccaaccagtt ggtaaagtgg aaatagttgt 240
 tccaagtagg caccaggggt tccccacct agctgagaaa aacctggtcc aattggtggc 300
 accaccctg gtggcaccac ccgttgttgc aggttttttag ggccattgcc caaagcgagc 360
 gggctaaata aaaaaattg ttcctgttgt aggtaggcaa aagggtccac catggctagt 420
 tacctgaccc ctg 433

<210> 9820
 <211> 585
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-N6-F8

<400> 9820

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gcaccattat cgagtacatc tcatatgtaa tctaaaagag gcaccaccaa cgatggggtg 120
ctgccacgac aaggcagggg tcatcaaaga gaactgggtg tatggcagca attgttgctg 180
ctgtaggaag gcagcgacca atgggttagc caccgctagt ggattaagta actgttgctg 240
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caagtaggca gcaggggttg ccacagctag ctgagtaaga gctggtacaa tttgttgacg 360
caactgttgt tgcaacaact gttgttgacg gtatgtaggt gcattgccca tagcgagcgg 420
gctagatgaa agaagttgtt gctgttgtag gtaggcgata gggttcacca tggctagttg 480
actgagcgtt ggtagaaact gttgcaactg ttgttggtgt tggatgacg ctacgtttgc 540
caaagcaagt gggttggatg caagcagctg ttgttgcaag taggc 585

<210> 9821

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G10

<400> 9821

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tatcatcttt agcatgaaca tccaagtgtt tattcgaaag ttaagaagaa tcggcgacaa 180
atagattgcc tgttcagggg agagctatca tccatctact ctacacgcca taaagcttgt 240
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aaaatggtca gttggaatat gtatttagct taaaacacat gtgccttttt gccagtaatg 360
atttgagaaa tgtgaagtcc cctgctgaaa gcttcattga acaggatcct tgtttgcatt 420
ttctgaagcc c 431

<210> 9822

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-N6-G2

<400> 9822

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gggggggggg gggggggggg ggggggtggg gggggggggg gggggggggg gggggggggg 180
gggggtgggg gggggggggg ggtgggggtg gtgtgtgggg ggtggggggg gggggggggg 240
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ggtgggggtg gtgggggggg gttggggggg gggggggggt ggtttntttt ntgggggggg 360
gggtgggggg gggggggggg gggggggggg tgtgggggtg tggggggggg ggggtggggg 420

<210> 9823
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G4

<400> 9823

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cttttgggtt tgtcaaagca agttggttgg atgggggcaa ttgttgccgt tgttagaggg 180
ggccccggtt tggggcccg tgcttggttg acggccacca ttgtggttgt ttttagaagg 240
gtgcaggggt tccaccgct tgctggctta atgggtgttg ttgttggtgc tgttaatttg 300
ccggggagtt caaagctgtc agttggttga atgggcgaaa ttgctgggg 349

<210> 9824
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G5

<400> 9824

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gcaaggccgg ggccctcaaa aaaaactggg tgggtggcag caattgttgt tgctgctgca 180
 ggaagggagc gaccaatggg gtagccaccg ccaatgggtt aaagaaccgg gggccccgcc 240
 ggaggtaccc aagagagttt ggcccccccc gttgggtgaa tgga 284

<210> 9825

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G7

<400> 9825

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 agggcgagcag ctacgtgctt gcttattcca ggagctaccg ctacggacat ggcgccatct 180
 atagagcaga gtggaacaga atctccgcca gttcctgttt gccggacgga acagtgggct 240
 caccceactc aaggaccttc ttctctagcg cctcaaagtc tcctttccca gcctcgatca 300
 aggcaccaat ctactatca aagctctggt accgcttgcg gacgagagca tctagggaac 360
 catcctcgat cagcttggcg gcgttgcgga ggccacgggc cagggtgtcc attccggaga 420
 tatgagcaag aaacaagtcc tcaacatcag tgctttccct ccgcaatttg gcgtcaaagt 480
 tgaagccacc aggtgcaagt ccaccattct taaccacagt tgacataacc aaagtagcct 540
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<210> 9826

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G8

<400> 9826

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 tgttgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt gtaagagggt 180
 gccagcgtaa ggcatagcgt gcaggtagaa cggcaacaac tgttgttggt tcaagaaggc 240

agcagggctc acatcagcta gctggctgaa tggtagtagt tgttgctgct gtaaataagc 300
 agcagagttc aatgctgcta gttgggttgaa tggaagaaat tgctgggggt aggcagcaac 360
 tagctggctg aatggtaatt gttgttgcaa ataagcagca gagttcaatg cagccagttg 420
 gttgaatgga agaaactgat gttgctgaga gtatgcagca aggtttgcta gcaacaagttg 480
 ttgtagttgt tgtgccctga tgttttgtgc caccaaattg accaaaggta actgctgtaa 540
 tagggctgac ggttgttgga ggaacaaggg tgataatggt aagatgcctg ttgcgattgc 600

<210> 9827
 <211> 503
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-N6-G9

<400> 9827

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 atgtgtgtcg tcttactgca ttattacata tatagataga gagagatgga tagaggagat 120
 ttcccaaata tcatgaatca gtagtagggc ggaatggcag cggagacgcc acaggggttg 180
 gtgcggtagc tgggcagctg gtactggtag agtccacca tggccggcat gttctgcgcc 240
 atcatcatgg ccatgggggt gagaccctgg gctgccagca gctgctgctg ctgctgcac 300
 agagctggct cgtacaggct gctgctggcg gcagcggcac gctcaagctg catcatcatc 360
 tgcagctgct gcgcgacgga ctgcacgtcc atcatcctca tctgctgctg gcagcactgt 420
 tgccggagcg gctggaacat ggcgctcggc tgccacacac cggcgttgta gggcgccgcc 480
 gccagcgggc tgcactgcgg ctg 503

<210> 9828
 <211> 322
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-N6-H12

<400> 9828

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ggtgttgggg gggggggttg gggggggggg gggggggggg gggggggggg gggggggggg 120
 ggggtggtggg gggggggggg gggggggngg gggggggggg gggggggggg gggggggggg 180
 ggtggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 240
 ggggggtggg tggngggggg gggggggggg gggggggggg tngggggggg gttggggggg 300
 gggggggggg tggggggggg gg 322

<210> 9829

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-N6-H7

<400> 9829

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 ctataactca taagaaatct aattttgggc accaccaatg atgggttggt ggtagaacgc 120
 tgctgggttt gtgaaggcag gttggttgaa tggcagcaat tgttgccgtt gtnagagggt 180
 gccagcgtaa ggcgagcgt gctggttgaa cggcaacaac tgtggttggt tcaagaaggt 240
 ngcagggttc acaccagctn gctggctgaa tggtngtngc tgttgctgct gtcattcngc 300
 cggngtggtc aatgctgccc gttggttgag tgggagaaat tgctggggg 349

<210> 9830

<211> 694

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-A1

<400> 9830

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 gggggggggg ggggggggg gggggnggg ggggggggg gggggaggg nnnnggggg 180
 gggggggggg gggggggann nagggagagg ggggggggg ggggggggg ggggggggg 240
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gggggagggg aggggngggg gggggggggg gggggggggg gggggggggg aggggggggg 360
 gggggggggg gggggggggg gggggggggg ggggcggggc ggggnggggg gagggggggg 420
 ggggggagggc gggggggggg gggggggggg gggggggggg ggggaggggg aggggggggg 480
 gggggggggg ggaggggggg gggggggagg gggagggagg gggggcgggg ggcagggggg 540
 gggggaaagg agngaagg gggggggggg gggggggggg gagggggagg ggggaggggg 600
 ggggaggggg gangaagg gaaagaagg gggngaagag ggggggnag gggggggggg 660
 gaggggaggg gggggggagg gggaaggggg gggg 694

<210> 9831
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-A2
 <400> 9831

gggggggggg ggggggagag gggggggggg ggggaggggg gggggggggg gggggggggg 60
 gggggg 66

<210> 9832
 <211> 342
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-A4
 <400> 9832

ggggggggga annggggggg gggggggngg nnnnnnnngn nnaagggggg gggggggggg 60
 gggggggggg gggggggggg gggggggagg gggggggggg ggggggagg gggggggggg 120
 gggggggggg gggggggggg ggnngggggg ggggggggag gggggggggg gggggggggg 180
 gggggggggg gggggggggg gggggggggg gggagggagg gggggggggg ggaggggggg 240
 ggggggaggg gggggggggg agggggggga ggganggggg gggggggggg gggggggggg 300
 gggggggggg gggggggggg ggggggggag gagagggggg gg 342

<210> 9833
 <211> 174

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-N6-A5

<400> 9833
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 ggggcggcac aaccacaggc agccggggggg gggggcgacg aacaggggaac cagcgccgga 120
 cgcggggcac cacnncggga agggcagggc gnaagccgcg gcgggcgccg accc 174

<210> 9834
 <211> 253
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-A9

<400> 9834
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 ggggtttttt ccccatcttg tttttaacca aacgccataa ccaatttttg gaaaaaaaaag 120
 gtccttttggt tctaggtga attacttttg ggggggggggt cttaaggggg taaaaataaa 180
 cttttttaac gcgggtttta accaagttta gtttcctttt tgggggggaa caaaccaaca 240
 cttggggaat ttt 253

<210> 9835
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B1

<400> 9835
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 attacaacta ataagcaatc taaaagaggc accgccaatg atgtgttggt ggtagaaggc 120
 tgctggggtt gtcaaagcaa gttggacaaa gggcagcaac tggtgcagtt gtaagagggt 180
 tgcgggggtta gccacaaact gctggtagaa cggaagcact tggtgttggtg tcaagaagga 240
 agcgggggctt gttgtagcta gctggccaaa tggtagtagt atttgctgct cgaaataagc 300

agaggggttc agtgcggcca attgggttaa tggaataaat tgttggtgct gagagtatgc 360
agtagctagc ttgctgaatg gt 382

<210> 9836
<211> 586
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B10

<400> 9836

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cacaacagcg ggtgaccgta gaggggtcact tgaattttgg ggagagcaac tctagtccac 120
ccatataggg tcttagtggt tctggaacca caatcgaccc atcgccctgc tgaaaattct 180
ctagaatgca aactatcaga cgaggcaccg ccactgctgt agcgttgagc gtgtggacga 240
actgcgtagg gcctgaggca gctcccttcc ctttcttggg gctcgttgat ggaggctccg 300
aggggtgatg gcggtaacgg atgcctagtc gcctactttg gtagtcggta caatttgatg 360
cactggagat ctcaccataa cgctctaggg cgggcatcca cgctcgcata tcaaatttcc 420
ggtaggctgg tgcaccaga tccccagttg ccatgtccag agttttgaaa tgaagtccaa 480
gtgatgcata aagatcctct tcaattgtaa taagttcttc atgccatttt ccactctcct 540
ctggccgaca gaatatgaac atctcaacct tgctaaattg atgtac 586

<210> 9837
<211> 533
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B11

<400> 9837

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aattacaact aataagcaat ctaaaagagg caccgccaat gatgtgttgt tggtagaagg 120
ctgctggggt tgtcaaagca agttggacaa agggcagcaa ctgttgacgt tgtaagaggg 180
ttgcgggggt agccacaaac tgctggtaga acggaagcaa ttgttggtgt ttcaaaaagg 240
aagtggggct tgttgtagct agctggccaa atggtagtag tatttgctgc tggaaataag 300

cagaggggtt cagtgcggcc aattgggttaa atggaagaaa ttgttgctgc tgagagtagg 360
cagtagctag ctggctgaat ggtagtagtt gttgttggtg taaataagca gcaggggttca 420
gtgtagacag ttggttgaat ggaagaaatt gttgttgctg agagtaggga gaaaggtttg 480
ccagaactac ttggctgata actggtagca cgagttgttg cagctgttgt gcc 533

<210> 9838

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B2

<400> 9838

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cggatagccg aaattccatc cgaaccagta ttcaccatct tcgagtatgg atctggacgg 120
atattttctg aatcatatta catccctagc tccaaatcga tatactccta gacgaacgaa 180
ttggtctgtg gaaacgattc ttgtactgtt tccgtcattg tatacggcag ccttggtcgg 240
aatcacggag tagctccaaa tcgatatact cctagacgaa cgaattggta cgtggaaacg 300
attcttgtag tggttccgtc attgtacacg gcagccttgt tcggaatcac ggagtagctc 360
caaatacgata tactcctaga cgaacgaatt ggtctgtgga aacgattctt gtactgtttc 420
cgtcattgta cacggcagcc ttgttcggaa tcacggagca aactgatgct actagaaatt 480
ctctccctag tgtcggaag gcgtaacgta tctaatttat ccgagggcct caaacttata 540
aagttggcta gccagaaact aaatttttcc gggtcctgtg gc 582

<210> 9839

<211> 185

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B4

<400> 9839

gagcaciaac atttttttaa ttgctaataa tagcctgaaa catagtcat ttgtacactt 60
gtagtctctt ttaggatact attagcaatt aaactatggt tcaggctatt attacaagcg 120
caggtgacac accacggtag cagccatct tattcagtag actacagttc attgtacac 180

ctgta

185

<210> 9840

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-B9

<400> 9840

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gggggacgta cgtacaaaaa cacgccgttg ttaaaaggcc ccttctaga ccgacgatcg 120
aacgcttaaa cacacgacga cgatacaatt gggcataaaa aaccggccac acccttggtt 180
ttcatgcatg gacccatgga ctggctgcaa cccaatcaac gggaaccca gccggccgtt 240
gggcaaacaa ataaagggca gggcgggggg caaaaacagg ggggggggaa gccccggaac 300
ctgcccccg ggaacccctc ggtcctgcaa actttggccc aattggaccg ggggaggcag 360
gggccccgaa acctggggct ttggaactgg aaagtccggg cctccgccac cgacaccggc 420
ccaacctttg gg 432

<210> 9841

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C12

<400> 9841

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aatgtgtggt atatgacgtg ccaaagact agctcagcta gaggtttcag aagggtctac 120
ataacagaaa aactgcaagt taaaatacag taaaaacagg ggaaagagtt tccaccttgt 180
ccccaggaaa ttactccgag tgacatggca tgtcaagcac ttcagtactg ccattaaaca 240
cattatagaa tctagacctc tgcagcatcc tcatgtgcta cttctagccc tgcgctctgg 300
ctagcaagcc agacaatgat acgggggttg tcttcatttg ctcttgagct tgcttcatct 360
cctcaggatc tatgttctcc atcatcttgg gcatacaaaa gaccattaag accataaaac 420
caaccatcaa ccccatggga ctcttcaaaa gtgacatga 459

<210> 9842
<211> 577
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C3

<400> 9842

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actataactc ataagaaatc taaaagaggg caccaccaat gatgggttgt tggtagaacg 120
ctgctgggtt tgtcaaaagca agttgggtga atggcagcaa ttgttgcaat tgtaagaggg 180
tgccagcggt aggcgcagcg tgctggtaga acggcaacaa ctgtgggtgt atcaagaagg 240
tagcagggct cacaccagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
caggagagtt caatgctgcc agttgggtga atggaagaaa ttgctggggg taggcagcag 360
gtagctggct gaatggtagt tgttgttgtt gcaaataaga agcagagttc aatgcagcta 420
gttgggtgaa tggaagaaac tgctgttgcg gagagtaggc agcaagggtt gctagcacia 480
gttgtttagt ttgttggtcc ctgatgtttt gtgccaataa atgcacaaaa ggtaactgat 540
gtaatagggc tgatgattgt tggaggaaca ggggtgat 577

<210> 9843
<211> 550
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C4

<400> 9843

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ttagcttgac aagttttttt tggacaatac taccaaakat gttcccgttg taatgcacag 120
aaaatctagt agttttatttg tcccacatta aatgttgacc accacatcat tacgaatttg 180
aaatggatga ctatgaaatt tgcgcagtct gccggtagca atgaacaggg cattgcctaa 240
ttgttgatca ggtttatatg gacacaccta aatgtagttg cagggactct cactttgtcc 300
attgctcaaa aacgagtttc tggccaccat tttttccaag cacctggcgc tgtcaacccc 360
gtccccacgg ttatgcagtt ggaatgactt atttccgtcc attgctcgaa aagatttttg 420

ccccccgcca ttcttccaag cacctcgcg tggaaccct gtctcagggc cttgcaattc 480
 cctttctgaa cgttcagggc ttgcacttgg acgacttaaa tcaagtgtgg ctaatgagtt 540
 gtcacctaaa 550

<210> 9844

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C7

<400> 9844

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 ggcaccatta tcgagtacat ctcatatgta atctaaaaga tggcacctcc aacgatgggt 120
 tgctgccaca acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc 180
 tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
 cgctgttgta ggtacgcagc agagtctgac acagtcagtt ggttgaatgg aagcagctgt 300
 tgcaagtagg cagcaggggt tgccacagct agctgagtca gagctggtac aatctgttgc 360
 agcaactggt gttgcaggta ttaggtgca ttaaccacag cgagagggct agatgaaatc 420
 agttgttgct gttgtaggta ggcggcaggg ttcaccatgg ctagttagact gagcgctggg 480
 agaaactggt gcaattgttg ttgttgttgg tatgcaacta tgtttgccag agcaagtggg 540
 ttggatgcaa gcaactgctg ttgca 565

<210> 9845

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-C9

<400> 9845

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 gaatctggaa atgtaacttc ttatttctgg ttggccacat acatcatcca aaaaacttta 180
 ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttgttgg 240

taggaggctg ctggggttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 300
aagaggggttg cgggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 360
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aaataagcag cgaggttttag tgcggccaat tggttaaatg gaagaagttg ttgttgatga 480
gagtaggcag tagctagctg gctgaatggt aatagttggt gctgcaaata agcagcaggg 540
ttcagtgtag atagttgggtt gaatgga 567

<210> 9846

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D1

<400> 9846

cgctgaatga atctaattaa tcactaccgg caaagcaaca gatctttaca cacagttttg 60
caaaaccatc catttgtttg cactactgct gatgacatga aggggaataag gggactagat 120
ggtgccaatg atcaggcctg gctgctgcag ccgctggacg cgctgtgcgt gggggcgcgg 180
ccgacggact tctccattgc ttctcgtggc tgggtttcca cggtgccgt 229

<210> 9847

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-D11

<400> 9847

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gtgcaaaacc atggatatac ttattctaag gaggagagga taaaagagt aatacagccg 120
ttacaacaga ttctgggtgt ccatatcctg atcgctctac tgtactgtac atatctctc 180
gtggagagaa aaagggttac acttcatcta agctcactgg tagagtttgt ccttccaatc 240
gcacttggtt ctccaatcga aacagatgct aatgatttgg aggcccaagc ggtagcgttc 300
attgccccct cctgcagatt tctcgtctc gaacttgaag ggtatagccg atgaaacttc 360
tgtcttcctt gctcaaggta ggtgaggaaa tattcatgtg ccccatcaa gtttgcaaac 420

agat

424

<210> 9848
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-N6-D12

<400> 9848

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atgggtacttt attgcttaaa ccgttatagg agtataacgg ctaggtagac acaattcttc 120
aattgcaaac accactaatg tcattgctgc tgcattggatt attttggtcg tatgagtgg 180
tcattggcgtg cgtggatggg nggtnttggt ctgctgtcaa aattgccacc gcactttgag 240
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tttgaaccat gttgtggatt gtcggtgag tgtcttggtg ctcaatctgc ctgtgggtctt 360
gaccccatg gtgctgccct tcctggctgc tgcttggtt tttttaacgt gattggggaa 420
aaggcctttc tcgtgggctg ccctgct 447

<210> 9849
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D2

<400> 9849

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gcgccgttgt cgagtgcagc ccatgtgtaa gctaacagga ggccccacca acgatgggtt 120
gctgccgcga caaggcgggg ggcattcaaag agaactggcc gtctggcagc cattgttgct 180
gctggcggaa ggccgtgacc actgggttag ccaccgctg tggattaag 229

<210> 9850
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D3

<400> 9850

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gttggggggg gggggccggg gggggggggg gggcgggggc gggggggggg gggggggggg 180
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cggggccttg gccttggggt tgcgccctct cctcgccctt cttggggggg gacgtttcgg 300
gccgcttttg cccgggttgg ttgcgccgcc cgggggggga ttttgccggg gcgccttttg 360
gggtgggggg gggg 374

<210> 9851

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D5

<400> 9851

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actttattat tgaattacaa ctaataagca atctaaaaga gggcaccacc aatgatgtgt 120
tggttgtagg aggccgctcg gtctgtcaaa gcaagttgga caaagggcaa caattg 176

<210> 9852

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D7

<400> 9852

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gtcgagtaca tctcatatgt aatctaaaaa aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tgggtgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tggtgtaggt 240
accagcaaaa gtttgacaca accagttggt tgaatggaag caactgttgt aagtaggcag 300

cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgcagc aactgttggt 360
 gtaggtacct aggtgcattg cccaccgcga ggggctaga tgaaagtagt tgtaggtaga 420
 cggcagggtt caccatggct agttgactga gcactggcat aaactgttgc agctgttggt 480
 gttgctggta tgcagctacc ttgccagag caagtgggtt ggatgcaagc agctgctgtt 540
 gca 543

<210> 9853

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-D9

<400> 9853

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 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctggttgtat ggcagcaatt 180
 gttgctgctg taggaaggca ggcaccaatg ggtagccac tgctagtga ttaagtaact 240
 gttgtcgtg ttgtaggtac gcagcagagt tcgacatagt cagttgggtg aatggaagca 300
 gctgttgcaa gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct 360
 gttgcaacaa ttgttgttgc aggtatgtag gtgcattggc cacagcgagc gggctagatg 420
 aaagcagttg ttgctgttgt aggtaggcgg cagggttcac catggctagt tgactgagcg 480
 ctggcagaaa ctgttgcagc tgttgtgtg gctggtttgc aactacgttt gccagaacaa 540
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<210> 9854

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E1

<400> 9854

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 ttcgagaaaa atctcaacca atatattgat ttttctagg taaaacatgc cggctctgagg 120

gcaccattat cgagttcatc ttatatgtat atctaaaaga tggttacctt caacgatggg 180
 cttgctgctc tcgacaagta caggatttat taaagagaac cggttgtttg gcagcaattg 240
 ttgctgttgt aggaaggtat ctactaatgg gttagcccct gacaatggca ttaagtta 298

<210> 9855

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E10

<400> 9855

agaaatgtac tttcttattt ctgggaagcc acaaacaatca gacaaaaaac tttattattg 60
 aactataact cataagaaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 gctgctgggt ttgtcaaagc aagttggttg aatggcagca attgttgcag ttgtaagagg 180
 gtgccagcgt taggcgcagc gtgctggtag aacggcaaca actgtgggtg tatcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgcagct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tgctagcaca 480
 agttgttga gttgttgc cctgatgtt tgtgccaata aatgcaccaa aggtaactga 540
 tgtaataggg ctgatgattg ttggaggaac aagggtgat 579

<210> 9856

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E11

<400> 9856

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 gggacccggc gggggggggg gcgaacggcc cagacaaagg agcgggcccc aagcccaacc 120
 caaaagcaca aggcacagcc cagcaccagg ggggggaggg gcccccgcc gccgagcaag 180
 gggcgggcgg gggccccgca gacggggggc aggcggcacc ccgccccgg gacgaggggg 240

ggggcgaagc cccctgcac cggccggggg ggggcccgcgca gggcccctag gggggccccc 300
 accggggggc cggggcccg cgggagcgcg cccccctgg ggagggggag gcccgggccc 360
 cgccgggacg cggggagggc cgccaccccc cggcagcagg aattttccac cttccgcccc 420
 gggaggggcg ggccaattcc gcacggggcg ggggggaccc accaccggca gttcgggggg 480
 ggggtggggcc ggaaggccca cccc 504

<210> 9857

<211> 219

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-E12

<400> 9857

aaaaaaaca acgtcgnatg cacgcgttct ttgtcttggg atcctttaaa aggccgccct 60
 ttgggggggg gggttttttt tttttttttt ttggggnnnt tgggtgcttg gntttttttc 120
 ccgggggtct ggatcgggtg gtgggggtgt ggtttttttt tttggtgcct ttttgttctt 180
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<210> 9858

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E2

<400> 9858

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 accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atgggttgct 120
 gcaaggcagg gttcatcaaa gagaactggt tgtatggcag caattgttgt tgctgctgca 180
 ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgtcgtgtt 240
 gtaggtacgc agcagagttt gacacagcca gttgggtgaa tggaagcaac tgttgtaagt 300
 aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
 gttgtttagt gtacgtaggt gcattgccc cgcgagcgg gctagatgaa agtagttgta 420
 ggtagacggc aggggttacc atggctagtt gactgagcac tggcataaac tgttgcagct 480

gttggtgttg ctggtatgca gctacgttcg ccagaacaat tgggttggat gcaagcagct 540
gctgttgcaa gt 552

<210> 9859
<211> 492
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E3

<400> 9859

ccctatatat tattcctttc catttcaatg gttcattcag gtcattgctc aactgccaat 60
ccatgggtgat gggtgacact ccgttactca tcgccgctaa acgagtgaac tagctatagc 120
cctataggta gctagtcagc ggctccatta cattattact acagtacata gtttcctcag 180
tagtagacac cgccggcagc tgcgttgcaa gggcagggac ctggctgctg cagctgcaga 240
ccgcacatcg ccgtcagctg ctgcgctacc tgggccgcca tcagcgccgc gagctcgccc 300
tgcggctgct gctgcaggaa ggactgcagg accacaccgt atgtcgcttg gtaccgggtgc 360
agcggctcca cctgcctgat ctggtggcag cactgctgct gcagcgcttg gcactgtggc 420
gagccgtagg gcgtcgccgc cgggctgcac tgggtgcctca ggaactcgac gcactggccc 480
aggaacgggc tg 492

<210> 9860
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E7

<400> 9860

gaagcaaacc agccagttgc attcaccgga gtctagagtt ctaccgaaaa gaatcagctt 60
tttcgaggct taatttgagg ggggcctcaa tagggggaat gtgcagcaat ggcctcaaca 120
acgacatgca caccttacac caagaaaacc ctcagtttta agcatgaaca gtttggaagt 180
tttacatagc tgaaaaaaaa gacggaactg tagcttttat gagcgctgct actaatactc 240
ttcacagagc atggctctgt catagtagta ttattaatca ccagatgcac caacagcagg 300
cgatccggct gccaacgagc agaggcacc tcagacaagc acctgagctg cagctagcct 360

agcgatc

367

<210> 9861

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-E9

<400> 9861

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aaaccgggcc aaaaaaaaaa aagggggaaa gagaaatttt taaatccaaa aaaaaacccc 120
ttttttaagg acccggggtt aaaccccccc ttttaaggcc cccatttccc ctgggggggt 180
tccccaaaac caccaaacc aaaggggtata atccggaggg ggggggtttt taaaccccc 240
aaaggggaaa agaaaaatct gttttggggg aaaaaaacc cccagggtta aaaccccgcc 300
aaaaaagggc ccggccaaaa aaacccttcc gccggggggg ggccaaaaaa acaaccccc 360
caaccagggg gggcccggga aaaaaccccc cgtgggggga 400

<210> 9862

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F10

<400> 9862

ctaaaaagta ctttcttatt tctgggaagc cacaaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
cgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg tttaggcgcag cgtgctggta gaacggcaac aactgtgggt gtatcaagaa 240
ggtagcaggg ctacaccag ctagctggct gaatggtagt agttgttgct gctgtaaata 300
agcaggagag ttcaatgctg ccagttgggt gaatggaaga aattgctggg ggtaggcagc 360
aggtagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc 420
tagttgggtg aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
aagttgttgt agttgttgtg cctgatgtt ttgtgccaat aaatgcacca aaggtaactg 540

atgtaatagg gctgatgatt gtt

563

<210> 9863

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F11

<400> 9863

gattattagt,tgtaattcaa taataaagtt ttttggatga tgtatgtggc caaccagaaa 60
taagaagtta catttccaga ttctaattgtg ataaaaaaaa aaaaaaaaaa aaaaaggaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaatat tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggggccttt 240
tatttttaaaa accgccccgg ggggttcccc gggaattttg ggcggggccc ttgggggggac 300
aaaattttttc tttttagggg gggtttttaa aatgggggaa aaaaggggaa aaagtttttc 360
ccggggaaaa atttttttcg caaaaaattt cccaaaaaaa ttggcccggg aaaaaaaaaat 420
taaaaacccg gggggcctta aggggggacc acccacaaaa aatgggggtg gccccatggg 480
ccccttttca gggggaaaac cctgttgccc cactttttta aaaaaattgc ccacccccgg 540
ggggaggggg ttttgttttt ggccccggg gggttttttt tt 582

<210> 9864

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-F12

<400> 9864

aacaaaagaa aggacccccca ggcataacga gggncagcac gaggaagca gggncacaca 60
agacaaggca cgggaanacc ccanacacnn aaaanncang gngcacaaag caaaagaggg 120
aggggggaaa gcaaaacggc ggggancgca nnccaacggg agangggacn naagcaacgg 180
ccncgaggaa agcccnccca ggagcacgcn ncncagggcn nccaagggna ccgagcagcn 240
nngcgngac accancagga acaanncnac ccncacncnn ggaccncagg ggggcggcac 300

ggcggaaccg ggggaagccc ca

322

<210> 9865

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F2

<400> 9865

gggaggaaac ggggaatttt tacaaccggg ggagggaaac caaaggccaa aagcgggggt 60
ggcccggccc cgggttgggg cagggaatat ggacaaaaa ccccaaaga ggggttttg 120
cataaaaggg gaagggtgca caggggggca cgggagctgg caagcaaac ccaaggggcc 180
gccgggggaa ggaaaaacaa aggggggggg tgctggcctc ctctaaaaa gggccggggg 240
ggggccattt tggggggggg gggcaaccaa aaaagcgcgc gcgccccctt tggggagggg 300
ttgggcgcca acctcttctg ttggggccgg tggagaattt tccacaaaa cgggccgttc 360
tttttcccc acctttgga cctggggggg ggttttaaaa agaaccggg ggcgccgttt 420
ttttttttat tttgcttttc aaggcggggg gggggg 456

<210> 9866

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F4

<400> 9866

gagagagaaa aaaactacat aatttcacgg cgggaaatga tggacaagca ttcggtaccg 60
caagtgatat ccatgaacag atggatgtac agtcgtttta ggagtgagga tacagaatca 120
atcaacttgc tcagacacat cgcacatgct gtgtctattt ttttttcaac ttctccaaat 180
tggccatgct caaagtccaa acttcgctgg gaatctgaat ttccaccgga cccccacagt 240
tcacgcgctt tgggaatatt catcatgct gcagctttct tttcttctta tgctctctt 300
tgccgcgtgg tttatgaaca tcagaatttg agctcagatt actgttatta tccccgggac 360
gatttgggtac tcttctattt ttaaagtatt cgcgcgttgt gctgtttgaa gtactgctcg 420
agctggatat cgcacgttta tctgcatgtc tgctcttatt tggggctaata gagcgtgggt 480

gcggcataag aactcgagca tctctctgac gctggttctt ttcactactt gacatgccag 540
atgctgccct acctgaagca ctggatgctg gtt 573

<210> 9867
<211> 566
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F5

<400> 9867

cagaaattat cgagataaat ctcaatcaat atattgatta tttctaggaa acacatgtcg 60
gtatgagggc accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg 120
atggggttgct gcaaggcagg gtccatcaaa gagaactggg tgtatggcag caattgttgt 180
tgctgctgca ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt 240
tgctgctggt gtaggtacgc agcagagttt gacacagcca gttgggttgaa tggaagcaac 300
tggtgtaagt aggagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt 360
tgcagcaact gttgtttag gtacgtagg gtacgtggcc cgcgagcgg gctagatgaa 420
agtagttgta ggtagacggc aggggtcacc atggctagtt gactgagcac tggcataaac 480
tggtgcagct gttgttggtg ctggtatgca gctacgttcg ccagacaagt ggggttggtg 540
caagcagctg ctgttgcaag taggtg 566

<210> 9868
<211> 563
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F6

<400> 9868

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gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
tgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttagggcag cgtgctggta gaacggcaac aactgtgggt gtgtcaagaa 240
ggtagcaggg ctacaccag ctagctgggt gaatggtagt agttgttgct gctgtaaata 300

agcaggagag ttcaatgctg tcagttgggt gaatggaaga aattgctggg ggtaggcagc 360
 agatagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc 420
 tagttggttg aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
 aagttgttgt agttgttgtg ccctgatgtt ttgtgccaat aaatgcacca aaggtaactg 540
 ctgtaatagg gctgatgatt gtt 563

<210> 9869

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F8

<400> 9869

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 actataactc ataagaaact aaaagaggca ccaccaatga tgggttggtg gtagaacgct 120
 gctggggttg tcaaagcaag ttggttgaat ggagcaatt gttgcagttg taagaggggtg 180
 ccagcgtag gcgcagcgtg ctggtagaac ggcaacaact gtggttgat caagaaggta 240
 gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg taaataagca 300
 ggagagttca atgctgccag ttggttgaat ggaagaaatt gctgggggta ggagcaggt 360
 agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa tgcagctagt 420
 tgggtgaatg gaagaaactg ctgttgctga gagtaggcag caagggttgc tagcacaagt 480
 tgttgtagtt gttgtgccct gatgttttgc gccaataaat gcaccaaagg taactgatgt 540
 aatagggctg atgattgttg gaggaacaag gtgat 575

<210> 9870

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-F9

<400> 9870

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 ttttttttgg atccccccca aaaaccccct aaaaaggggg ccccccccat tttttttttg 120

gggggggggg cccctttttt tttaaaaaaa ggggggaaaa agggcaaaaa tttttttttt 180
 ttaaaaaggg gggggggggt ccccccaaac cgggggaaaa aagggaatac tttttttttt 240
 taataaaaaa aaaccccggt tgccccccct ccggggaaaa aagggaataa ttttttcggg 300
 caaaaaaaaa ccgggggggt caggccgcc cttttttaa aaaaaaaaaa tttttttttt 360
 taaagaaggc cccccccccc ccgggggaaag ggaaaaaggg gggggcacaa aaa 413

<210> 9871

<211> 491

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-G2

<400> 9871

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 acatcacagt ttacaaatag caactgtaaa atgtacagac cgagctagca gtttgcaatt 120
 atttgtaaca gatccaagct aaatacatc acattttttt gctgggcact tccagatcat 180
 cgaacctgtc aggcgggtgc gccggcaggt gtggcggtt cacttgtcac ggcctcagcc 240
 tcccaaaacg aagtcttttt gccagtcttg gaaacagttt gcaggacggc gtcaggtgtc 300
 acattgccct tcacggggac cttctgttcc atgatgtcta cgtcgttaga ctgcagcct 360
 tccattttgc ccaggaccgc cttgacagct tcaacacagc ctttacagga catgccaacc 420
 ttgagcacia cagtctgggc catancgcga gaggggaagga gggtcgggt ggtcccgcgc 480
 tgggtggtga a 491

<210> 9872

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G3

<400> 9872

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 caagtgatat ccatgaacag atggatgtac agtcgtttta ggagttagga tacagaatca 120
 atcaacttgc tcagacacat cgcacatgct gtgtctattt ttttttcaac ttctccaaat 180

tggccatgct caaagtccaa acttgcgtgg gaatctgaat ttccaccgga cccccacagt 240
 tcacgcgctt tgggaatatt catcatgcct gcagctttct tttcttctta tgcctccttt 300
 tgcgccgtgg tttatgaaca 320

<210> 9873

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G4

<400> 9873

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 tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgg 120
 agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
 agaggggtgcc agcgttaggc gcaacgtgct ggtagaacgg caacaactgt ggttggtgtca 240
 agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
 aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
 cagcaggtag ctggctgaat ggtagttggt gttggtgcaa ataagaagca gagttcaatg 420
 aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
 gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
 actgttgtaa tagggctgat gattggt 567

<210> 9874

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-N6-G6

<400> 9874

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 ttttttggat tccaccaat aagccatcta aaagggggcc cccccaatga tgtgttggtt 120
 ggagggggct gctgggtttg tcaaaacaag gtggacaaag ggcaacaatt gttgtatttg 180
 taaaaggggt gggggggttag ccccaaactg ctggtaaaaa ggcaacaact gttgctgtgt 240

caaaaaagaa acacgggttg ctgcaactag ctggctaaaa gggaaaaaaa tttgctggtg 300
 caaataaaca gcgagggtca aggcggccaa ttggttaaat ggaaaaagtt tttggtgatg 360
 aaagtaggca atacctacct ggccgaatgg gaaaagttgt tgctgcaaat aaacaacagg 420
 gttcaaggt' 429

<210> 9875
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-G7
 <400> 9875

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 ctataactca taagaaatct aaaagagggc cccaccaatg atggggttgtt ggtagaacac 120
 tgctggggtt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt gtaaaagggt 180
 gccagcggtta ggccaacgt gctggtagaa cggcaacaac tgtgggttgtg tcaaaaagggt 240
 agcagggctc acaccaacta gctggctgaa tggtagtagt tgttgctgct gtaaataaac 300
 aggaaagttc aatgctgcta gttggttgaa tggaaaaaat gctgggggta ggcaacaagt 360
 agctggctga atggtaattg ttgttggtgc aaataagaag cagagttcaa tgaacctaat 420
 tgggtgaatg gaaaaa 436

<210> 9876
 <211> 592
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-N6-G8
 <400> 9876

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 ttcatgctca ttgtggtaga cgcagctgac cacctagagc tgcatactta cttattcaga 120
 ctgatccagc atgtggcaac atcggaagt cacatgctta cagacgacaa attttcataa 180
 caatagcctg gcttggtgctc ttcacagaat aaccaaacga caaccacgaa attgcgacga 240
 tataaaataa acaactcaga agcaaatcga cccagaagc ccgtcttact catcaagcac 300

tcccgccttc tcctccatgg catccgcttc ctctcccag cagagaagat tagccagctt 360
 gtagtccttc ttcataaggag gaggagcact ctccacgttc tcgccgtcaa agcagtggaa 420
 aacagatttg ggcgaggtag caacacgcgc ttcagcagca cagaagctct ggtacacgag 480
 gagccccgct ccaggcagct cctgctccac catgttggtg cagtcataga cctctgcacc 540
 aagtgccttt ccccatgtcc cggcatggcc acgccccgcg aagaggtcac gg 592

<210> 9877

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-H10

<400> 9877

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 ctaaaagggg cccaccaat gatgggttgt tggtagaacc cttctgggtt tgtcaaagca 120
 agttggttga atggcaccaa ttgttgcagt tgtaagaggg tgccagcgtt aggcgcagcg 180
 tgctgggtga acggcaacaa ctgtggttgt ttcaagaagg tagcagggtt cacaccagct 240
 tgctggctga atggtagtag ttgttgcctg tgtaataaag cgggagagtt caatgctgcc 300
 agttggttga atggaaaaaa ttgctggggg ttggccgcag gtncctggct gaatggttgt 360
 tgttgttgtt gccactt 377

<210> 9878

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-N6-H4

<400> 9878

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 gggggggggg nnnngannng gnnnggggaa gnnngggggg gggggggggg ggnnnnggng 120
 ggggnnnngn nnnnaannngg aagangngg ggggggnngg ggggnngngn nggggggggg 180
 ngggnggnnn nngnnggggg gggggggggg ggggnnnngg gnnngnnggg ggggngggng 240

gngngggggg gggggggggg ggnggggggg gggngngngg gggggggggg gggggggggg 300
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 nngggggg 549

<210> 9879

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A2

<400> 9879

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 ggtagaacac tggtgggttt gtcaaagcaa gttggttgaa tggcagcaat tggtgcagtt 180
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<210> 9880

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A3

<400> 9880

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 tgggttaagg tagttcttca attcgaacga ctataactta aacaaagggg ggtatagtta 180
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gcatactttt cctgaggaat tatcaaactg agatcctcgt tattgttggt gacctgaacc 300
aaagctgcag tcttgtatgc taggaaaccc atcattcctg gaagaaccca aaaactgaaa 360
aaactatttt tt 372

<210> 9881

<211> 116

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A5

<400> 9881

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aaaaaaaagg gaggagaaga ggggggggaa aaataaaggg ggggggggtg gggggg 116

<210> 9882

<211> 542

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-A6

<400> 9882

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tgcatagcag atgcaggcca tgtagccaaa gaagaaagat gtctgcatga agccagacat 360
gtcggatgcg gcatagtagt agtacaggca gtagccgtac acgaaaaaac cagttgatcc 420
tccgcaaagg aatgacctcc accaccactc atggtcttca gcagcaagct ggaagtatgt 480
cagtgcaca gtgatgaacg cagtgacaat aaggaggatg atgaagacaa taaacagaat 540
gc 542

<210> 9883

<211> 447

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-A7
 <400> 9883

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 gttgaacgct gctggggttg ggaaagcaag ttgggttcaat ggcagcgggtt gttgctgttg 180
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 caagaagggtg gcaggggtca caccagctag ctggctgaat gggagtggat ggagctgctg 300
 taaataagca ggagagttca atgctgccag ttggctgaat ggaagatatt gctggcgggtt 360
 ggcaccacgg agctggctga atggtagttg ctgttgccgc aaataaagaa gcagattaaa 420
 tgcattctgt ttgttgaatg gaagaaa 447

<210> 9884
 <211> 486
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B10
 <400> 9884

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 cttttggggtt tgtcaaaaca agttgggtga atggcaacaa ttgttgcaat tgtaaaaggg 180
 tgccagcgtt aggcccaacg tgcaggtaaa acggcaacaa ctgttggtgt gtcaaaaagg 240
 caacaggggt caccatcaact agctggctga atgggtgtag ctgttgctgt tgtaataaaa 300
 caacaaagtt caatgctgcc aattgggtga atggaaaaaa ttgctggggg taggcagcaa 360
 ctagctgact gaatggtagt tgttgttgca aataagccgc agagttcaat gcaccagtt 420
 ggttgaatgg aaaaaactgc tgttgcttaa agtaggcaac aaggtttctt aacacaagtt 480
 gttgta 486

<210> 9885
 <211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-B7

<400> 9885

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tttattgata tgttctgcgg tgtgcaagta gcattaatct aaatgcagaa actatctgct 180
acttattgca ttattacggg taccatcgg cgtgggtgcc ccgctgttct gatacagacg 240
ttattcagag atgtatgaca aacccccag atgtactaga gatcctgaat ctctcttaga 300
ttgcttccca gttcttagct ggtcttggtt tcaacttaggc cgcactgat tgttcttgga 360
tctcactgcg tccagcatcg cttgcagtag caccattaac aggaacctca gtcacagcat 420
ccgatgcact tgaaccattc acctgcattt caccagctgc ctgagaggca ttgctggagg 480
gctgctttgg aagggccttt ggttgacgta tggcagctgc tgcttttg 528

<210> 9886

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C1

<400> 9886

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agttggacaa agggcaacaa ttgttgtagt tgtaagaggg ttgcgggggtt agccgcaaac 180
tgctggtaaa aaggcagcaa ctgttgctgt gtcaaaaagg aagcacggtt tgctgcagct 240
agctggctaa atggtagtag tatttgctgc tgcaataag cagcgggggtt cagtgcggcc 300
aattgggttaa atggaaaaag ttgttgctgc tgaaagtagg cagtagctag ctggctgaat 360
ggtaatagtt gttgctgcaa ataaacagca gggttcagtg taaacagttg gttgaatgga 420
agaaatgttg ttgctgagag tgggaaaaag gtttgccaga gctacttggt tgatcacagg 480
tagca 485

<210> 9887
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C10

<400> 9887

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attattgaac tataactcat aagaaactaa agggggcacc accaatgatg gggtgttggt 120
agaatgctgt.tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaattgt gggtgtgtca 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaaa gctgtcagtt gggtgaatgg aagaaattgc tgggggtagg 360
cagcagatag ctggctgaat ggtagttggt gttgttgcaa ataagaagca gagttcaatg 420
cagctagttg gttgaatgga agaaactggt gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
actgctg 547

<210> 9888
<211> 208
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-N6-C12

<400> 9888

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gtcaaaattg ggatgctgca cacaaaaatt aggatcgact agccagataa aaatcccctg 120
cacttagaaa aactgctttc ctagctgtaa cctgattagt ggataacctt cgatgcagtc 180
gaccgtaatc acgccatttc cacttttg 208

<210> 9889
<211> 549
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C2

<400> 9889

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cggtcaccg ggagcccgac ctccgcctgc agcgctctct tgttcagcgc cttggcctcc 120
acggccgtcg acacgtcgta cttaacggcg atgtacttgt cctgtctggg gtcccactcg 180
ctgacgtcca tgccgttgac gatgccggtg atgccggtga ggcgcatgat gttgtcgagc 240
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ggtagtcgga gaaggcgaac cggccctggt aggagatggt gtggatgcag aaagcgggct 480
ttgcgttcct gtagatgccg tgggactggt agttgctctt gaggtagcac cagagagggc 540
cgggtgtgcc 549

<210> 9890

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C3

<400> 9890

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tgccctcgaca agacaggatt catcaaagag aactggttgt atggcagcaa ttgttgctgc 180
tgttggaagg cggcgaccaa tgggttagcc actaccaatg gattaagtaa ctgttgctgc 240
tgttgtaggt acgcagcaaa gttcgacaga gtcagttggt tgaatggaag cagctgttgc 300
aagtaggcaa cagggtttgc cacagctagt tgagtcaaag ctggtacaat ctgttgcaac 360
aattgttggt gcaggtatgt aggtgcattg cccacagcga gcgggctaaa tgaaagcagt 420
tgttgttggt gtacgtaggc ggcaggggtc accatggcta gttgactgag cgttggcaga 480
aactggtgta actgttggtt ttgctgggtt gcaactacgt tcgc 524

<210> 9891

<211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-C4

<400> 9891 .

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cctggctcta tttttctttg gccttggcaa ccttgctgat ttttggatcc acaattggat 180
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cgggaaacgc gccggggaac ttgcggggga actttttcgc cggctccgc accgtgtttg 360
acaccttgat gggcaccttc tgccgtcttt tttttttct aaaattttga acctc 415
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<210> 9892
 <211> 492
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-C5

<400> 9892

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acatattctt tggttagaat cctctttttt taaaacaact tgcacattaa cttaccaagg 180
ttttttcgga tgttcctttt tcaactaaac tcaacgaaaa cttgctgttg aggttgcaaa 240
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agtgagactt tttcactggt tgaacaaatg atcaatcgtg cactacctt cttaaattaa 360
aattttgaga tggatctgat tttttttatt gacggtgacc aatttaatta ttgoggaaat 420
aatggtagag ccgaggtcga aaggtccgat ttactggtaa aaccgcgctt gatatgacgg 480
tatctacatc aa 492
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<210> 9893
 <211> 288

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-C6

<400> 9893

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gggggggggtc ccgcttttcc ttgggggggg cggtttgggg gcgggggtta ttaggggttt 180
tgcttggtgc tggggggaat tggttntgg tgggggtggc cccgggttgc gggcggtagc 240
gttttagtgg aaacggggg ggcccaatgg ggggggtttt gccgctaa 288
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<210> 9894
 <211> 519
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-C7

<400> 9894

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atcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgccaca 120
acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattggtgc tgctgtagga 180
aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt cgctgttgta 240
ggtacgcagc agagttcgac acagtcagtt ggttgaatgg aagcagctgt tgcaagtagg 300
cagcaggggt tgccacagct agctgagtca gagctggtag aatctgttgc agcaactgtt 360
gttgcaggta tgtaggtgca ttaaccacag cgagagggct agatgaaatc agttgttgct 420
gttgtaggta ggcggcaggg ttcaccatgg ctagttgact gagegctggg agaaactgtt 480
gcaattgttg ttgttggttg tatgcaacta tgtttgcca 519
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<210> 9895
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-C8

<400> 9895

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atgtttgggg tctggacttg caagcaaccg agatcgatga tacaagata gattcatcgg 180
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cgtcaggaca gtaaaccctt ccaccacctt gaaagtggca ccgcaaactt ttttttcgtc 360
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<210> 9896

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-D3

<400> 9896

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tgtagcatgc atgcatgcat ctgccggttt tggaagaagg tttttcctca catcgacagc 180
cccacacatg ccgcgcagca acgagtacc cgtatcact ccaactggagc atagacgaca 240
catgttctgc ttggtgtata aaccgagaat gaatatggcc tattatcatg cgaacagtcg 300
gcggtgaagt gtcggtgc gtgatggatc ctgctaaatc caccaaatag tccagcgctg 360
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ttatctcct catgtttccg ggaaatatac tggntgatca gatgtcatga attcatattt 540
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<210> 9897

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D6

<400> 9897

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accataccaa ggttacacga tccatcgatg caataccatt gtaggttctt gttttgtaga 240
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ccacgattcc agaccttatg tagtaccctt cttccgggtg atcagcctct tggatgccct 360
tactgtttgt gatcaccacg ttcttcccaa tcctagcatt catgtcaatg atacagttcc 420
ttatctttgg gttccttctt attccaactg ggacctttcc agctaacagt agctttgaag 480
c 481

<210> 9898

<211> 499

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D7

<400> 9898

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acgctgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
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ctagttgggt gaatggaaga aactgctggt gctgagagta ggcagcaagg tttgctagca 480
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<210> 9899

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D8

<400> 9899

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gttggttagga ggctgctggg tttgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag ggttgcgggg ttagccgcaa actgcttgta gaaaggcagc aactgttgct 240
gtgtcaagaa ggaagcacga cttgc 265

<210> 9900

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-D9

<400> 9900

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acggccgctg acacgtcgta cttcacggcg atgtacttgt cctgctggg gtcccactcg 180
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tttgcgtccc tgtagatgcc gtgggactgg tagttgctct tgaggtagca cgagaagagg 540
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<210> 9901

<211> 474

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-E12

<400> 9901

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gggggcccgg gcgcggggcg gggggggggg cggcccgggg ggcccacccc cgggggggagc 180
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ggggggggcc gggggggggg gggggggggg ggcgcggggc gggggggcg gggggggggg 420
g'cgggggggc gggggggngc gggggggggg ggggaggggg gggggggagg gggg 474

<210> 9902

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E2

<400> 9902

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tgtatcccca aatccaggcc cccaatgtcg attcaacatg taactaacat ttgctggtac 180
aacattctac cctacaacat tgaagggcac aaaagagcaa aaagaaagaa aaaatgcctt 240
ggatgacact tttattgctc cgatgatctc caacagactg atctgcagat cacgcatgta 300
accaggtgct gatcattgtc gaatgtcgag gaacacagct gcatgtcgca cgttcacttt 360
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<210> 9903

<211> 178

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E4

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aaaggagggg acccgagggg agggggggga aacaaggag ggggagggaa agagaagagg 120
gcgggggggg ggaaggggaa ggggggagag gagggagagg caaaaggaag ggggagcg 178

<210> 9904

<211> 489

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E5

<400> 9904

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cacaagcgcg gtccattgcc agcgtgtatg tacctoctca tcgaaagggc aggctagcat 180
tgcctttttt attaacccca agcccaggcc agatcacaaa ctagacagcg aaatctagtt 240
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gatctcggcg aacgggaccc tgtgcgtgat gaaçttttcc acctccagct tctttttcat 360
gtacagctcc accacatttg gcaaatcaat gcgtggcttg tagttgcca aaaaggtccc 420
ctttagggtc ctttcgttca ggaagttcat cgggtgggtc ttgaactcaa cgtccttatg 480
tgggacacc 489

<210> 9905

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E6

<400> 9905

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ggggggggag aagggggagg aaaggaggga ggggaggggg aggggggggg ggggagagag 180
gagagggggg ggaggggggg gggggaagat aaaaaacaag gagaagagaa aaaggagaa 240
ggggaagggg gggggaaaaga ggagaggggg ggggaggggg agggggaaga gggggggggg 300
agagggaacg ggggggag 318

<210> 9906
<211> 503
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E7

<400> 9906

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taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagttgt 180
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aaataaacag cgggggttcag tgcgcgaat tgggttaaag gaagaagttg ttgttgctga 360
aagtaggcag tagctagctg gctaaatggt aatagttgtt gctgcaaata agcagcaggg 420
ttcagtgtaa acagttgggt gaatggaaaa aattgttggt gcttgagata gggagaaaagg 480
tttgccagag ctacttggtt gat 503

<210> 9907
<211> 204
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-E8

<400> 9907

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tttttttttt taagcagaaa gaggggtaga gagggggggc ccccccaaag tttttttttg 120
gggggggggc cgggggtttt ttaaaagagg ggggacaagg ggggaaaagg ttgttgtttt 180
agaaaggggg gggggggggc cccc 204

<210> 9908
<211> 504
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-F4

<400> 9908

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cccttgacagg ccaatagcac attagaattt ggaaatgtaa cttcttattt ctaggaggcc 120
acatacatca gccaaaaaac ttcattattg aattacaact aataagcaat ctaaaagatg 180
gcaccgccaa tgatgtgttg ttggtagaag gctgctgggt ttgtcaaagc aagttggaca 240
aagggcagca actgttgacg ttgtaagagg gttgcggggg tagccacaaa ctgctggtag 300
aacggaagca attgttggtt tttcaaaaag gaagtggggc ttgttgtagc tagctggcca 360
aatggtagta gtatttgctg ctggaaataa gcagaggggt tcagtgcggc caattgggta 420
aatggaagaa attgttgctg ctgagagtag gcagtagcta gctggctgaa tggtagtagt 480
tggttggtt gtaaataagc agca 504

<210> 9909

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-N6-F6

<400> 9909

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cacccaacac ggattgatac acatccgttc tacttttcc taaaaacgaa tgctcacagc 120
aagcaaaagt aaacgataag tngaaaaaac aagtgtaca tgctatggca accatcccat 180
gggagtccac tagccacta ctgggtgggt gcttactctt cgttaccctc ttcttccttg 240
gtaagcttga tcatgtcgtc aatcctcagg atagtaatgg cagcctccgt ggcaaaactga 300
atgatcttta ctttgctcat cgatggctct atcacgcat actcaagggt gttgcgaatg 360
atacccttag agaggtaag gccatactt gaataatgtt gcttgctggc ctttgtttga 420
gcagtatgat gatatgcctt aagctttgct acaagctcag ttgcatcttt tgcagcatta 480
acagatagta cttttggtat gattaacaaa gactcagcaa attcagcaat tgccaattgt 540
tccccg 545

<210> 9910

<211> 256

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-G1
 <400> 9910
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 ggggggggga gaataataaa aaaaaaaat tttttttaga gaaaaaagaa aaagaggtaa 120
 aaaagggggg gccccccagt agtggggggg ggggaagggg gggcgggggt ttaaaagaag 180
 gaggagaaga agggagaaaa attgtgttat aaaaagaggg gggggggggg aaaaaaaaaa 240
 ctggaggaaa aaaaga 256

<210> 9911
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-N6-G10
 <400> 9911
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 ccccttttcg gttcccttc atttgaatc aaaaaagag ggcccccaa ccaggggggg 120
 gtgccccac aagggggggg ttataaaaaa aaaacgggtt tttgggaaaa attttttttt 180
 ttttaaaaag ggagggccca aagggttagg ccccccttg ggataaaaaa aactttggcc 240
 cttttgtggg gccccccaa aatttcacc acaaatattg tttaatagaa aaaacttttt 300
 caaaaaggca aaagggtttt cccaacttg cttgttaaaa actgggacaa atttttgcaa 360
 aaattttttt tccaggtttt taggggcttt ccccaaaca aaagggtta ataaaaaca 420
 tttttttttt t 431

<210> 9912
 <211> 555
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-N6-G11
 <400> 9912

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 cacttaacat taaccacagc acatgagnaa aagcgagggg aggagcgagn gaaaaagatt 120
 attattactg tatgtagtgc tctatcctgc atgtatatcc catcgtcctc ctgggattgc 180
 tgttttggag gactgagaat ttcttctagg gttgctgttg ctgatcgagc tggcgtcagt 240
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 ccttgttctc cggcaggagc ttgatgacga tgcccatggt tatgaggagg agtcccgtcg 420
 cgtgctgctc cgtcaggggc ttgggtgaata tcaggtacga cagcagcagc gtcaccgcct 480
 tcctcgccgt cgtcaccatg gctgtggttg ctgcaccgaa aagcgctatg agggagagca 540
 cggagacctg gccga 555

<210> 9913

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G3

<400> 9913

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 acctcctgct atcaaaggca attaggcagc actctcaaat ctttgcctta cttccattct 120
 acttgctaag ccagatggc tagagatgcc atggccatgg caccaaggaa caaggcaatg 180
 tatgagccga cttgaagcct caagttacag ctcatcctct tgctgagaaa atcagctgcg 240
 atgaggtcca ccaaggccat gtagatcaga ataccagccg aaatggaatc cagaattccc 300
 tctaccacaa gtgccttagg gctgttggga ttgtagaacg acgcgatacc agaccccacg 360
 gtaatcccag caggtgttgt gatagcga aaagaaagcca taaggagtgc aggagaaact 420
 cttgaactga gcctcgga aaagcagccg caatgcaaag ccctcaaaaa acggtggaag 480
 gagaaagcag cacctaaagg tttgatgggt caaggattc 519

<210> 9914

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G5

<400> 9914

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accattgtcg agtacatctc atatgtaatc taaaagaggc acctccaacg atggggttgct 120
gcaaggcagg gttcatcaaa gagaactggc tgtatggcag caattgttgt tgctgctgca 180
ggaaggtagc gaccaatggg ttagccactg ccaatggatt aagtaactgt tgtcgctgtt 240
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aggcagcagg gtttgccaca gctagctgag tcagagctgg tacaatttgt tgcagcaact 360
gttggtttag gtacgtaggt gcattgccc cgcgagcgg gctagatgaa agtagttgta 420
ggtagacggc aggggttcacc atggctagt gactgagcac tggcataaac tgttgagct 480
gttggttgtg ctggtatgca gctacgttcg ccagtacaag tggggttgat gcaagcag 538

<210> 9915

<211> 497

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G7

<400> 9915

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aaatctagaa gatgggcccc ccaatggggg gctgatgcaa taagggggta ggattcgtca 120
aagcgagttg gctaaatggc aacaattgct gttgttgtaa aaaggcgaca atgtttgcc 180
catcctgtgg gtagaatggc agcaattggt gttgttgcaa gaaggcgta atgtttccca 240
caacctgtgg gtaaaatggc agcaattggt gttgttgcaa gaaaacagca atgtttgcaa 300
caacttgtaa acggaatggc aacaactggt gctgcaataa aatggcagca gggctcccga 360
caagttgggt gaatggtagt agctgttggt cctgcaagta aacagcaggg ttcaccccag 420
cttggtgatt gaatggaaaa aattgttggt gctgaaggta aacaacaagg ttcgctgcaa 480
ctacttgatt aattggtt 497

<210> 9916

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-G9

<400> 9916

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gccagttgga agaacagact gcaaaaggtc tttaagtcca actttacaca ggaggtaaaa 120
gaatattacg gaaaaagaat aatcaaacag taacaatggg gggctcaact ggtagcttat 180
ttgaattgcc atagatacac aacatatata tttatatatt tataatcaca agctagcagc 240
gtccgcgtac cgccctgaaa atttgatact catacctaac ctcggaagat attttatata 300
ctccacctct ggggtcttct gtctttctga ggatcacctg agcctggcat taccttcctt 360
gcttcggaat gttgacaggg aaaagaaaga acgtggcgct ctccagtcga gttgatcttt 420
tctcggctctg aaatttgcag gtgggtttgg aattgagctg cgtagtgatt gttcttgttc 480
agcaaaa 487

<210> 9917

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H6

<400> 9917

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gatgaaacgg gtggggacca agttagtcac gataacatat ttacagatta tttttgtccg 120
gggcagcagc gcaaccatta gttgcttatg tcaaagtact tgggatcggc ggggaaataa 180
tgctccactc gcagctcgcc ttcatttgca tttgagtgcc tttgaggaaa tacaactcta 240
aaatcattgt aaaaatagaa cctccgttct tctcaggta gcgttttgct gttatatggg 300
gccgttgata gatcaaattt gcaacaaagc atttatataa aggatttttt ttttgggggg 360
cacaaaa 367

<210> 9918

<211> 265

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H7

<400> 9918

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catattctgc ctgccagccc acactttatt tgggataaat accactaaat gaatcgattg 120
atttgccttc tctctgtgat acatgtcatg tgcaccggaa ctctcaggtc gtgtggagaa 180
acgatgaaca cgagaagaga acaaaatctg tacatggcga gcgcgtcagt gacagtgtac 240
ttgaggtgca tctctcaagg ttaca 265

<210> 9919

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-N6-H8

<400> 9919

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ttcacgataa tattgtacca aactcgaatc tgctttttac aaccatcagt catcagcaca 120
accaagcaga ttactaacac caaacgagac atataccaca catgcaatga tacgggtgcat 180
gtactagcta gtacatccat acacacacat agcttaccaa ctactgggta ttacggaata 240
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<210> 9920

<211> 502

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-A1

<400> 9920

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gccacaacaa gggagggttc attaaaaaaa actgggttgta tgggagcaat tggtgtgct 180
gtaggaaggg aaccaccaat ggggttagcca ccgcttggtg attaaataac tggtgtcgct 240
gttgtaggta cccagcaaag tttgacacag tcagttgggt gaatggaagc agctgttgca 300

agtaggcagc aggggtttgcc acagatagct gagttagagc tgggtacaatc tggttcagca 360
 actgttggtg caagtatgta ggtgcattaa ccacagcgag agggctagat gaaatcagtt 420
 gttgcttttg taggtaggcg gnagggttta ccatggctag ttgactgagc gctggtaaaa 480
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<210> 9921
 <211> 51
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A11

<400> 9921

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<210> 9922
 <211> 339
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A5

<400> 9922

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 tggttggggg gggggggggg caaatggggg gggcaaaacc acgggctggt cegtcttagc 180
 tggatgggtt gggtttggga ttaggattag gattaggacc aagaaacctg gtggtgcctc 240
 gtgacgcgtt attgttcaaa tgccaaacca cccaccaatt tttggtgctg atttatgggg 300
 ttttgtttct tttggctggt gtcttgttct tgtcccgat 339

<210> 9923
 <211> 241
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-A6

<400> 9923

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aatgggtggt gctggttgct nttttgggtg gtnggtattc gttcaaagct tgtttggtt 120
taatggttnng caattgttgg ggggtttgta tggggcaatc atttgtttgc cacatttctg 180
tggtgtttgt ntgggttgct attgttgctt gtttgcttgt aggcttttaa tgttttccca 240
c 241

<210> 9924

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-A9

<400> 9924

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gggggcatan ttgcgggggg ggggacaccg cctgcagcag caaaaaggca tggagtcggc 180
tgctgcaggc cgcacatcgc cgtcagttgc tgcgctatct gcgcgcgcaa cagccccgcg 240
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tggttccggt gctgcgggtt cacctgcctg agctgctggc atcactgctg ccgtaacgac 360
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<210> 9925

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-B1

<400> 9925

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ttacatagta ctgtactata cacattcgtc agacctgtgc catacagcca tactaaacaa 180
agtcttcttg attctcatat gccttcacat aaggcccaag gtgtgtgtcg tgccctggtg 240

agtgccagac ccagggccat gtagctggta agtctggctc ggcacaacct ggagaacacc 300
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 ggct 544

<210> 9926
 <211> 510
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-B7
 <400> 9926

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 aagcaagtct gcttaacata aaagagaagt taaaaatcac tacacacagt tctcgatcc 180
 tatccatgat gtgctctttc tctgttaaatt tggacctcaa catgtaacgg tgtgcctcca 240
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<210> 9927
 <211> 309
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-102-Q1-N6-B8
 <400> 9927

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ctctctttttt tttcctttca gggaccgggc ccttcggggc gggggggggg gttttttggg 180
 ggggggaaaa aattccccgg gtccaccggg gccccgcgcc tccccccggg ggggggttgcc 240
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<210> 9928

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C1

<400> 9928

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 taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagtgt 180
 aagagggtag cggagttagc caaaaactgc tggttaaaag gcagcaactg cagctgagtc 240
 aagaaggaag cacggtttgc tgtagctagc tgactaaatg gtaaaaatat taagctgctg 300
 caaataaacc acgaggaaaa gatgcggaca atttggttaa tggaagaagt tgctgttcat 360
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<210> 9929

<211> 260

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-C11

<400> 9929

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 cgggccattt gccctttttt tttttttttt tccaagggt cttgctgggg ggggggggg 180
 ttctttccgg gggcctnacc ctgcgccgc tgggtgtgtc gccgtcggat agctggcgcc 240
 ccacgctctg gctttggaag 260

<210> 9930
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C12

<400> 9930

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cagccaggct gccgcgagcc atcaggatag caaaatcggg ggacaccggt ttgttggtcc 180
ttagatgtca aatcactgcc gctgctaaca aataatctaa ctttttttta cctcgctttc 240
agttcactaa ttaccaggcg ggggttagac agtatttttg caaagagcaa caacacaaca 300
ggtgtaactg taacgctaca cttgattgct gttttttttt cttttaccac tgcagatttg 360
caccgggttc ttcctttt 378
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<210> 9931
 <211> 496
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-102-Q1-N6-C2

<400> 9931

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agggggtagg attcgtcaaa ggggggtggc taaatggcag caattgctgt tgttgtaaga 180
aggcgacaat gtttgccaca tcctgtgggt agaatggcag caattgttgt tgttgcaaga 240
aggcgtaaat gtttcccaca acctgtgggt aaaatggcag caattgttgt tgttgcaaga 300
aagcagcaat gtttgcaaca acttgtagac ggaatggcaa gaactgttgc tgcaataaga 360
tggcagnagg gcttccgaca agatggttga atggtagtag ctgttggtgc tgcaagtaaa 420
cagcagggtt caccacagct agttgattga atggaagaaa atgttggtgc tgaaagtaag 480
cagnaagggt cgctgc 496
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<210> 9932
<211> 533
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-C3

<400> 9932

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gggcaccatt atcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt 120
tgctgccaca acaaggcagg gttcatcaaa gagaactggg tgtatggcag caattgttgc 180
tgctgtagga aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt 240
cgctgttgta ggtacgcagc agagtccgac acagtcagtt ggttgaatgg aagcagctgt 300
tgcaagtagg cagcagggtt tgccacagct agctgagtca gagctggtag aatctgttgc 360
agcaactgtt gttgcaggta ttaggtgca ttaaccacag cgagagggct agatgaaatc 420
agttgttgct gttgtaggta ggcggcaggg ttcaccatgg ctagttgact gagcgctggg 480
agaaactgtt gcaattgttg ttgttggtgg tatgcaacta tgtttgccag aac 533

<210> 9933
<211> 247
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-102-Q1-N6-C8

<400> 9933

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cttcatactt tnttccattt gtttgggttt tgtcatgcgc ctngcgggtgc cggcgccent 120
ttgcatggcg gtgccacaag gagacttctt tcacccatt tcccatgctg gggttgtccg 180
ctccctgggg gtggcctccc tttgtgttta cccaaggct tctcaacctt ggactgggat 240
agccttt 247

<210> 9934
<211> 502
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D1

<400> 9934

agaaatgtac tttcttattt ctgggacgcc acaaacatca tccaaaaaac ttcattattg 60
aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
actgttgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaaccg atgttgctga aagtatgcaa catgggttgc tagcacaat 480
tgttttattt gatgagcccc tg 502

<210> 9935

<211> 557

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D4

<400> 9935

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cattattgaa ctataactca taagcaatct aaaagaggca ccaccaatga tgggttggtg 120
gtagaacact gttgagtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcgttag gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
caagaaggca gcagggtca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca gcagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360
ggcagcaact agctggctga atggtaattg ttgttgcaaa taagcagcag agttcaatgc 420
agccagttgg ttgaatggaa gaaactgatg ttgctgagag tatgcagcaa ggtttgctag 480
cacaagttgt tgtagttgtt gtgcctgat gttttgtgcc accaaatgga ccaaaggtaa 540
ctgctgtaat agggctg 557

<210> 9936

<211> 532
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-D7

<400> 9936

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cgctgctggg tttgtcaaag caagttgggtt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac aactgtgggtt gtatcaagaa 240
ggtagcaggg ctacaccag ctatgctggct gaatggtagt agttgttgct gctgtaaata 300
agcaggagag ttcaatgctg ccagttgggtt gaatggaaaa aattgctggg ggtaggcagc 360
aggtagctgg ctgaatggta gttgttggtt ttgcaaataa gaagcagagt tcaatgcagc 420
tagttgggtt aatggaagaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac 480
aagttgttgt agttgttgtg cccttgatgt ttgtgccaat aaatgcacca aa 532

<210> 9937
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E2

<400> 9937

ggaagaaagc tccaatctaa cccactttca ttcagatcca ttcaatgtaa cgacgaacac 60
agcagggttt actcggatcc cagttacgca acacaccac gggggacaga ccctggcatt 120
ccgaccctac gggagaaaaa ggagtttttg gggctataag caaactgaaa cggggaacac 180
aagaggaaga gaaacttggg aaaccgttaa caactagcca actgctctcc atccagtagc 240
gatgaggaga tcgagcaacg cttatggggc catgctgcca gttccaaagc ctgccttggt 300
tggtcaccaa ttcccttgcc ccgcatttga gttttcagga caccac 347

<210> 9938
<211> 554
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-102-Q1-N6-E4

<400> 9938

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tcaagcacia cttaaatttc agcaagattc tcttgcaccc atgtccagca gaggtaaaac 120
tcagttacaa attaaattca actggngaaa actacagtaa caccctacta gtataaaaaat 180
ttcaatcatt tgggtccggt tccgtgacac tgcgtgaagt tgtacccatc catgtccaga 240
ggacatcaaa aaagaaatta caggccccga tcaggacgca ggctgacaaa cgctcagggc 300
agcaggttca ttatccagaa aatgactaca agtgtcacia tgcattctat caccttgctg 360
accaagcctc tcgcggaagt gtaacaggtg cttaaattagg cagcaacaag atcaggtggt 420
tctgcctcaa ctgaaagcaa tgtagtatgc acctttccaa cccaggcatc caggcggtcg 480
cgcaaagcct taacctgtgg gattccaagc actctgggct ggaccacga gacatgaact 540
gtactgtcca cttc 554

<210> 9939

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E5

<400> 9939

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gtcgagtaca tctcatatgt aatctaaaag aggcacctcc aacgatgggt tgctgcaagg 120
cagggttcat caaagagaac tgggtgtatg gcagcaattg ttgttgctgc tgcaggaagg 180
tagcgaccaa tgggttagcc actgccaatg gattaagtaa ctgttgctgc tgttgtaggt 240
acgcagcaga gtttgacaca gccagttggt tgaatggaag caactgttgt aagtaggcag 300
cagggtttgc cacagctagc tgagtcagag ctggtacaat ttgttgacgc aactgttgtt 360
gtaggtacgt aggtgcattg cccaccgca gcgggctaga tgaaagtagt tgtaggtaga 420
cggcagggtt caccatgggt agttgactga gcactggcat aaactgttgc agctgttgtt 480
gttgctggta tgcagctacg ttcgccagag caagtgggtt ggatgc 526

<210> 9940
<211> 543
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E6

<400> 9940

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actgacactg ccacccatgg tgatgctga cacattatta ctcaatcatc gccgctaaat 120
gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
caccgcccgc agcagcgtag gggcatggag tgggctgctg caggccgcac atcgccgtca 240
gttgctgctg tatctgcgcc gccaacagcc ccgcgacctg gccgctttgc ggctgctgct 300
gcaggatgga ctggaggacc aagccgaaga tcgcttggtg ccggtgctgc ggctccacct 360
gcctgagctg ctggcaacac tgctgccgca acgactggca ctgaggcgag cagtagggcg 420
tcgccgtcgg gctgcactga tgctcagga actcgacgca ctggcccagg atcggggtgc 480
tgccaacgcc gcaggttccc tgcagctggc acgggcttgg atcgggctgt tggcacgggc 540
atg 543

<210> 9941
<211> 490
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E7

<400> 9941

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atgcgagccc acgttagaac taccocatc tggacttgca cgcgcacagg acacatgctg 120
cgttttgcac ctgcgcccga ctgcatttt ttttaaccat ggtagctagt actggtcgcc 180
gccggaaaaa atgctgcact cctgtggctc cgacagccgg cacattattg gcaaccccgc 240
gggggtactcc cgggcctttg taagccttac ggggccgac cttggcccgg tggtgccggg 300
accacacggg ggatacattt gcgtttggta tccctctcct gcccggtgc aggggtagta 360
gtaaccccc tgctctctc ctccctgcgg gggggggtgt tgccgccgc cccatgggca 420
ccagcctttc ttcagcggcg gcatggcctc cttttatccc ctgacctgc tccggatggg 480

ggcgcaacgg

490

<210> 9942
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E8

<400> 9942

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ttattgaatt acaactaata agcaatctaa aagagggcac caccaatgat gtgttggttg 120
taggaggctg ctgggtttgt caaagcaagt tggacaaagg gcaacaattg ttgtagtgtt 180
aagaggggtt cggggttagc cgcaaactgc tggtagaaag gcagcaactg ttgctgtgtc 240
aagaaggaag cacggcttgc tgcagctagc tggctaaatg gtagtaatat ttgctgctgc 300
aaataagcag cgaggttcag tgcggccaat tggttaaatg gaagaagttg ttgttgatga 360
gagtaggcag tagctagctg gctgaatggt aatagttggt gctgcaaata agcagcaggg 420
ttcagtgtag atagttgggt gaatggaaga aattgttggt gctgatagta gggagaaagg 480
tttgccagag ctacttggtt gatcacaggt agcacgagtt gctgcagctg ctgtgccttg 540
gatggtttgt acc 553

<210> 9943
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-E9

<400> 9943

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ttaagggggg accccttgtg tttggggggg gggaaagact attgtttttt tttttggcgg 120
atatcccga ggggttgtgg gtttttgggg gccccaggg gggggcccg ccccccttc 180
ggctgttggg gcgggggggg ggggggggga caggggcaaa gggccggggg ccccgggggc 240
ggggttcct gtgggggggg gggggggccc cgttgcccc tgaactgggg caatggggcg 300
cgccgggggg ggtccccga gggggggggg tttctct 337

<210> 9944
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F1

<400> 9944

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gccaaagagt aagggtagaa atatccggcc caataataat agggccgaaa acaagaacca 120
acagacagtt acggacgcac ctgaacaacc agccttcagg atgcagtta accaccctgt 180
acagggtgca ccatgactcg gtatatgcta ttatgctcct tcaccaaca cacaattac 240
acaagcatag caatgcttct gagtttaacg gaagaaagcg gcactatggt ccaacaattt 300
attacccaa ta 312

<210> 9945
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F3

<400> 9945

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gtggaaagga tttacagttt tgcaaagggc aaacaaaact tttgggtgctt aaaacaggga 120
gatgtaaagc tttttccttc gtagctttgt tatcaagtca tcaaggggct gggggccaaa 180
gggcgtggca tcccatattt tttttttggg ccttggtcgt ttgtgtaaaa ttacatccaa 240
aatttttccc gttgggattt atttaaacta gagaagcaat ccccggaat gtaccagttt 300
gggtttatat aaactaaaac attccgatta gga 333

<210> 9946
<211> 561
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-F4

<400> 9946

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 actataactc ataagaaatc taaaagaggg caccaccaat gatgggttgt tggtagaatg 120
 ctgttgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgctgt tgtaagaggg 180
 tgccagcggt aggcgcagcg tgctggtaga acggcaacaa ttgtgggtgt gtcaagaagg 240
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 caggagagtt caaagctgtc agttgggtga atggaagaaa ttgctggggg taggcagcag 360
 atagctggct gaatggtagt tggtgtgtgt gcaaataaga agcagagtgc aatgcagcta 420
 gttggttgaa tggaagaaac tggtgtgtgt gagagtaggc agcaaggttt gctagcacia 480
 gttgtgttag ttgtgtgtcc ctgatgtttt gtgccaataa aagcaccaaa agtaactgct 540
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<210> 9947

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-F6

<400> 9947

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 tttttttttt tttttttttt ttggtgtttt gtntgggttt tttttntttt nntntntttt 180
 tattttttta tgttttttgt tttttttttt ttttttttgt tttngttttt tttgtatttt 240
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 tttttgtttt ttttttgttt tttttttttt tttttttttt tgtttttttt ttattttttt 360
 atattttttt ttattgtttt attttttttt tttttgtttt ggttattttt tttatttttt 420
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<210> 9948

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-G12

<400> 9948

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gctgggttgt gggggctgtg gctgcgtttt atttctctc gggggcgccc cccgtggtgg 180
gggggggggg gaacgctgct gggtttgtct tctcctgttg gttgtttgg 229
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<210> 9949

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-G3

<400> 9949

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ggtaacagca cccatcgatc cgcagtcctt gctgggtgat gcatgggtct gctggagccg 120
aggatgaaca cagtactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
caacaacaaa cagagacga acgaagataa acactttggg cttgggttaa caacacggta 240
gcgaacagga taacttgggc gcgcggggccc caccgctcaa ttccttcagt ttccattgga 300
attgccgtag ccgccccac ggttgccacc gtcgtagccg ccgccaccac caccgtaacc 360
gacgtcgtca ccac 374
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<210> 9950

<211> 539

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-102-Q1-N6-G9

<400> 9950

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tatccgcacg tacatactac agagccacac ttattgcact gcctgccgct tacgtacata 120
gttaacacgc agagaggtat atacatacac gtccaacgtc tccactcagg ctcatgctac 180
gtacgcacgt cggtcgcgcg ccacctctt gttgcttctt gctcgttttg gcgagcgcgg 240
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cggcctcaca tcttggcggg aaccatcctc atgagcgtct ccgccacctc ctgcgggcgc 300
 ccgcggccgt ggcgtccttc gcgttcctcc tctctttct cccgtcctc acgtccgtgg 360
 cgttccctct ccccaaggcc gccgtggcgt tcttcgcgtt cctcctcctc ctcttgctcc 420
 cgctcctcgt ggccgcgcgt ctcttgggg ccaggaagga accccttctc gcgcgcgcag 480
 ccgagcacct ngtcacctc ctccgccttg gaggcgaatg acagcgctt tggcgaccc 539

<210> 9951

<211> 537

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-H2

<400> 9951

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 gcaccattgt cgagtacatc tcatatgtaa tctaaaagag gcacctccaa cgatgggttg 120
 ctgcaaggca gggttcatca aagagaactg gttgtatggc agcaattggt gttgctgctg 180
 caggaaggta gcgaccaatg ggtagccac tgccaatgga ttaagtaact gttgtcgctg 240
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 ctggtgttgt aggtacgtag gtgcattgcc caccgcgagc gggctagatg aaagtagttg 420
 taggtagacg gcagggttca ccatggctag ttgactgagc actggcataa actggtgcaa 480
 ctgatgttga tgctggtatt caactacctt cgtcagaaca agtgggttgg atgcaag 537

<210> 9952

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-102-Q1-N6-H4

<400> 9952

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 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggaggg 180

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 gggggggggg ggcggggggg cgggaggggg agagggggcg gggggggcgg gggggggggg 360
 ggggagataa aggggggggg aggggggggg gggggggggc ggcggggggg gggagggggg 420
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<210> 9953

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A10

<400> 9953

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 agtgtgcacc gtgcaactgca atgcccaca acaagattgt agcagcaaac atggaagaga 180
 aaggcgcggg gggcaaggca gcagttccgc atgacgagtt accgcgggtt acaatcttcc 240
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 ggattagcct tggcaatggc gtccctggca gcagtcgggt agtcgaactt gcagtcgtgc 360
 ttgtcggagt agcgggtggag tgcgcagtac aagttcccac accggcagtt gaatcccgtg 420
 agtccaaccc tcttctgca ggcgtgcac cggttcggcc ctaccttccc ccctttggag 480
 atcgccgcca cccctcgtt ggtccggca acatcagcgg gctgctgcac gttcattgtt 540
 tgcaactcaa cttgggcaac agctactacc gtgttgctgc ca 582

<210> 9954

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A12

<400> 9954

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 gttcaacatt gcaggtagt tcaatcaact cgacatggcg cacaatgcgc tgaccactct 120

atgtacattc actcagattc ccaaagccac accaaatcag agtatttcat gattaggaga 180
 tgaaagccct gacacactct gaaacgtcat aaacatctcc tgtcctgggg catgtaatct 240
 tgccgtcatt tttcttggac atctcttgaa ggccttctc actgtagaca tagccgttcg 300
 gcagaacctg aggcgggttc tcagtgtcca tgagctcctt ggtgatgtaa caaacaagct 360
 tcgagtgggtg ctgttttagag aagggcagag gctcggctag tttcctgaag ccctccagag 420
 acaaggggtc ttttttggga cagctaccct cagagcagaa cgggggtcttg agagctgtca 480
 ggcttgcttg cagatatatg ttcagcagcg gctct 515

<210> 9955

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-A4

<400> 9955

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 ggaaattttt ttggtttttt caaaaaagggt tgtttgtttg ggcccttttt ttggtttttt 180
 gggggggggc cccttttttg cccctgtttt tttttaacct gccaaaattt tggtttgttt 240
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 tatttagggg ggggttttaa ggtttgtatt gtggttgggg gggaaaaatt tggggggggg 360
 gggcggnaaa acttttcctt ttgggggttt ttttttttgg ttgtattgcc gccgtttttt 420
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<210> 9956

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A5

<400> 9956

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<210> 9957

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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cagggttcag tgtagacagt tggttgaatg gaagaaattg ttgttgctga gagtagggag 480
aaaggtttgc cagagctact tggttgatca gaggtagcac gagttgctgc agctgttggt 540
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<210> 9958

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A8

<400> 9958

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 tgtactggaa gcctttctcc tgcgccttgg tggcgacgag gtagccctgg ggtacgatga 480
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<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-A9

<400> 9959

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<210> 9960

<211> 575

<212> DNA
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ctggggttgt caaagcaagt tggttgaatg gcagcaattg ttgcagttgt aagaggggtgc   180
cagcgtagg cgcagcgtgc tggtagaacg gcaacaactg tggttgtgtc aagaaggtag   240
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gtttagattg ttgtgccctg atgttttgtg ccaataaatg caccaaaggt aactgctgta   540
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<210> 9961
 <211> 608
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B10
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gatgcaccaa cagcaggcga tccggctgcc aacgagcaga ggcaccctca gacaagcacc   300
tgagctgcag ctagcctagc gatcgggacc ctgaaagggg agcaagaaac gtaatccagc   360
ccagtcttgg cgaagaaagc aaccgatgaa ggctctccac catgttctcc acaaatgccc   420
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<210> 9962

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B3

<400> 9962

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acagcacata gtttcttcag ggggggacac ccccggcagc agcgtagggg catggagtcg 180
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<210> 9963

<211> 580

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B4

<400> 9963

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<210> 9964
<211> 351
<212> DNA
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<223> Clone ID: LIB3061-106-Q1-N6-B5

<400> 9964

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<210> 9965
<211> 580
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B6

<400> 9965

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ctggcagaaa ctgttgcagc tgttgttgtg gctgggttgc aactacgttt gccagagcaa 540
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<210> 9966
<211> 608
<212> DNA
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<223> Clone ID: LIB3061-106-Q1-N6-B8

<400> 9966

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<210> 9967
<211> 589
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-B9

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<210> 9968

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-C1

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 gggggggggc cccccccgg gggggggggg ggggggtgtg gggggggtct tttcccaaag 360
 aaaaaaacac cggggggggg ggggggggg ggggcctggg gggggtttca cggcgggggg 420
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<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 9970

<211> 430

<212> DNA

<213> Zea mays

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<210> 9971

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C7

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<210> 9972

<211> 604

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C8

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<210> 9973
<211> 497
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-C9

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<210> 9974
<211> 495
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D10

<400> 9974

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495

<210> 9975

<211> 191

<212> DNA

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<223> Clone ID: LIB3061-106-Q1-N6-D12

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<210> 9976

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D2

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tgttttcgat ccataaggca gtcaagctaa ccttaagccg cttcaaggct ttgcggctct 480
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<210> 9977

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D3

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gaaagcaaga acactgtctc tgagcccatc cactatagcc tggcgctgtc ttgcgatacc 480
cagaccgcgc aagtacttgg attctgcac accttcggct ctcttgatct gcagtatctt 540
ctctgcctca gttttctgc tggcagccaa cctcagccta gcagctgcat 590

<210> 9978

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-D4

<400> 9978

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aggaggctgc tgggTTTgtc aaagcaagtt ggacaaaggg caacaattgt tgtagttgta 180
agagggttgc ggggTTtagc gcaaactgct ggtagaaagg cagcaactgt tgctgtgtca 240
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aataagcagc gaggttcagt gcggccaatt ggttaaattg aagaagttgt tgttgatgag 360
agtaggcagt agctagctgg ctgaatggta atagttgttg ctgcaaataa gcagcagggg 420
tcagtgtaga tagttgggtg aatggaagaa attgttggtg ctgatagtag ggagaaaggt 480
ttgcagagc tacttgggtg atcacaggta gcacgagttg ctgcagctgc tgtgccttga 540
tggTTTgtac caatgactgc accaaagata gggctggcga ttgttgaaac aaa 593

<210> 9979
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-D8

 <400> 9979

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ttggggggggg gggggggggg ggggttggggg gtttttttnnh gggggggggg gggggggggg 180
ttttttggggg gttttggggg gggggnnntgn ttggggggggg ttgggttttt tgttgggggt 240
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<210> 9980
 <211> 549
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-106-Q1-N6-E1

 <400> 9980

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tattattgaa ctataactca taagaaatct aaaagagggc accaccaatg atgggttgtt 120
ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgcagtt 180
gtaagagggt gccagcgtaa ggcgcagcgt gctggtagaa cggcaacaac tgtggttgtg 240
tcaagaagggt agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgtca gttggttgaa tggaagaaat tgctgggggt 360
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atgcagctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
ctagcacaag ttgtttagt tgttgtgccc tgatgttttg tgccaataaa tgcaccaaag 540
gtaactgct                                     549
  
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<210> 9981
 <211> 458

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E2

<400> 9981

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catgggggttt agccgtctac gtatacatat ttccgccgaa cttatgccgg agtacaatgg 180
ggaaaccaa aaccaagcga cggggcgatt aaaataaatg attggttttt gtatccgatc 240
aattttactc atttactact tggccgggga caagcacttg gggggggggc cctgggggaa 300
ccggtactta tcggggcagt agttgtaaat catgtaactg gcctgcgccc gggggagctg 360
tttctggccg gggctgtcaa gctcctggga cattcatgcc ccgttgagc gcgcgcaggc 420
gggggcttcc ggcgcggtgc acccgggggg ggggtacc 458

<210> 9982
<211> 540
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E3

<400> 9982

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gactcgaata ggatccaaaa aactcacggc aatatcactg gccgcacaag gcagacatat 120
agctatggat aaattaggct ggggcattgc ccagccacca ccatcgccag caccacagg 180
gaaggactga tcgaaagtca ccctagatc ttgttgaagg caactatgtc gcaactctgt 240
acgtactcgt taactggctc agcgcacaga tagtcctcaa tgagaggggc gacagagaca 300
aggctcgtcg cgatgggtcat catgatttgc agcttcttga taccatatcc aactgggaca 360
agcttggatg cgccccagag caacccttcc atttggacac tctaacagc ttctcgcagc 420
ttggccatgt cagtctcatc ggcccatggc ttcacatcaa ggaaaactga tgacttccca 480
gattctttct tcttgccaga agccttggca gctgcagcac gctcttaagc agcctttttt 540

<210> 9983
<211> 81

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-E5

<400> 9983

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 nnnngttggtt tttttttttt t 81

<210> 9984
 <211> 597
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-106-Q1-N6-E6

<400> 9984

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 attattactc aatcatcgcc gctaaatgac tcaactagct agctagccag cggctatact 120
 acagcacata gtttcttcag tgggggacac cgccggcagc agcgtagggg catggagtcg 180
 gctgctgcag gccgcacatc gccgtcagtt gctgcgctat ctgcgccgcc aacagccccg 240
 cgacctggcc gctttgcggc tgctgctgca ggatggactg gaggaccaag ccgaagatcg 300
 cctggtaccg gtgctgcggc tccacctgcc tgagctgctg gcaacactgc tgccgcaacg 360
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 cgacgcactg gcccaggatc ggggtgctgc caacgcgcga gggtccctgc agctggcacg 480
 ggcttggatg cggctgttgg cacgggcatg ggtgtggctg gggatgaggc tgaggccggg 540
 gcggntgagt agggtagtgg catggtggcg gcggcagatg aaccggcggc ggcacat 597

<210> 9985
 <211> 578
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E7

<400> 9985

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caggtatgta atcaacggcc cccaataaca ctcaaacttg caaacaactg atttgctta 120
 acggcagtac accgcagagt gcaaatacga aaacagcact caagtccaac catagaagaa 180
 aaaaaaggag caatactgtc atgtgccaga taacctctgg aaacatcact caattgcaaa 240
 ctgaagatag tttgttatgg ctttcaagtt aggagataat gccttcggtt agtgataatg 300
 cagcaagctg actggtcggg gtgtttgcgt tttgctgatg ggccacattg tggagaacat 360
 ccatcgctc agcaaccttt gacttgaggg catcagggga ctcaagcagg tggaggacct 420
 cagtctgatc catctccaaa agcattccag tgacctttgc cgcttggttt ggttccagtt 480
 gctcaaccag tgggtatagg ttttcaccaa ggatcgttct ttgctgttca ggattagcat 540
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<210> 9986

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-E8

<400> 9986

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 tgcaaacatc aagataatct gttttgaatg aaatatgttc ttacatcaca tgaacatcaa 120
 gataatctgt tttgaatgga aaaagtctaa agtttttaaaa actaaataac tatggctgcc 180
 tactcccaaa gcgtcgagct aaaatctttt ctttcatcaa ctgaaaatac tgttttcctt 240
 ggtcatccat tgtgctcgtg tcaagtgcc a ttatcaactt gtcatgctgg tcttgctcca 300
 agtctacttt tttcttatgc agtcaaagt atctttcatc acgctccttt cgttcgctct 360
 cagttttctc tctcgattct ctcatTTTTT tttacctctt caatggaagg atcagactct 420
 tcatcactgt tgcgcctttt tgctttcatc ttttcctttt cagctttcct tcttgccagt 480
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<210> 9987

<211> 261

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F1

<400> 9987

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cccggcgggc cntgntggcg cccgcggggc ggttctcttt ctgcgcnggg ncggccggcg 120
gggggggggg ggctcggccg ggtcctgggg nntctctcgcg ccgggtcgnc ggcggccggc 180
ccgcttgggg gggggcgggc gggggcggtg gcgcgcncgt gctgggcggc gcgggtcccg 240
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<210> 9988

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F12

<400> 9988

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ctttattatt gaattacaac taataagcaa tctaaaagag ggcaccacca atgatgtgtt 120
gttggttaga ggccgctggg tctgtcaaag caagttggac aaagggcaac aattgttgta 180
gttgtaagag gggtgcgggg ttagccgcaa actgctggta gaaaggcagc aactgttgct 240
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gctgcaaata agcagcgggg ttcagtgcgg ccaattgggt aaatggaaga agttgttggt 360
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cagggttcag ttagacagt tggttgaatg gaagaaattg ttgttgctga gagtagggag 480
aaaaggtttg ccagagctac ttnggttgat cagaggtagc acgagttgct gcagctgttg 540
tgccctgatg gtttgtagca atgactgcac caaagaaggg ctggcgattg ttgaaacac 599

<210> 9989

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F4

<400> 9989

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acacagcctc tcaactagta cagcggggct taggcggggc gtgtacacgc caggcgtggg 120
tttttttttt cttcacacgt acccaggtgg gggggggggg ggggagccat ggccgccgtc 180
cgcgcatgcg gctccccctc ggtattccca cgtctccctt cgaggagca ggcgctcttg 240
gcggtggggg ccttggcgac tggcgagtgc cgctccggc ggcccgtagc tccgcggtg 300
gcgttcacta cccttctgtg tgtagctgtg tgccgcgc 338

<210> 9990

<211> 571

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F5

<400> 9990

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ccattatcga gtacatctca tatgtaatct aaaaaaggca cctccaacga tgggttgctg 120
cctcgacaag acagggttta tcaaagagaa ctgggtgtat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggttagccac tgctagtggg ttaagtaact gttgtcgctg 240
ttgtaggtac ccagcaaagt tcgacatagt cagttgggtg aatggaagca gctgttgcaa 300
gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct gttgcaacaa 360
ttgttggtgc aggtatgtag gtgcattggc cacagcgagc gggctagatg aaagcagttg 420
ttgctgttgt aggtaggcgg cagggttcac catggctagt tgactgagcg ctggcagaaa 480
ctggttcagc tgttgttgtg gctggtttgc aactacgttt gccagagcaa gtgggtttga 540
tgcaagcaac tgctgttgca agtaggcggc a 571

<210> 9991

<211> 606

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-F6

<400> 9991

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aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
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 tgttgtagtt gttgtgccct gatgttttgt gccaccaaat ggaccaaagg taactgctgt 540
 aatagggtcg acggttggtg gaggaacaag gtgataatgg taagatgcct gttgcgattg 600
 cctggt 606

<210> 9992

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-F7

<400> 9992

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 ggtggggggg gggggggggg gggggggggt aaggggggtg gtgggggttg ggggttggtg 180
 gtgggggggt gggggggggg ggggtttttg gaaatggggg ggggtgtttg ggggaagggg 240
 atttttttga aaaagttggt gttgggggtg ggaaaaattt gggtatgtaa gaatggggta 300
 tttggngggt taatttggtg gggggtgaaa tgggtgttga gggtttttgg ggtttaaaaa 360
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<210> 9993

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G1

<400> 9993

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atcagtgcgc acgactagtt aaaaacaaac atcctttgac aagaagtttc taattaaatc 120
atgactgtgt ctgggcagca ttattatgag agtgaagggtg gatgtgctgc tacttcccac 180
tccccttgat gagcaacaag cacctgcatt gagtaatgca agagtgagat gaaacatctc 240
agcaagctaa ttgttctgat gagatattta aaccacaaat tgaattaatc aacattttta 300
aagaatcaca atcaagatca gaaatacttg tagatataga acttagtagt cccaatataa 360
ccaatatcat ctcatctcct cgaacaacca caatagggtc tataacacct cccgcgctca 420
acaataacctg caattatcac ttcgatgtat gcataggaat gcaatgtgta ggtaactctat 480
cttcatacct ctgagagtat aaaaccacat catctgcaaa tatcacttca atgaatgcac 540
atgaatgcaa tgcatatgtc ctctgcct 568

<210> 9994

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G10

<400> 9994

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ttttgggtggg ttaaaaaaaa aaaaaaaaat gtgggggggt tttttaaaaa aaaattgtgg 120
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cctttgaagg ggggcctttt ttttgttttt cccgggggtg ggcccccgga gaaaattttt 300
tttttttttt tttcccccaa attggggggg ggaaagagcc tttttttttt aaaaaagggg 360
cggggccttt tt 372

<210> 9995

<211> 64

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G3

<400> 9995

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tttg 64

<210> 9996

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G6

<400> 9996

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gaaagggccc aactggctag ctggcccggg gttttccccc agcccatagt ttctttgggg 180
ggggaccccc ccgggagcag cggaggggcc tggggtgggg tgggtgcaggc cccacatccc 240
cgctgggttg tgggcttttt gggccccaa cagccccggg acctggcccc tttgggggtg 300
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<210> 9997

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-G7

<400> 9997

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gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
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gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
actagctggc tgaatggtaa ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420
tggttgaatg gaagaaactg atgttgctga gagtatgcag caaggtttgc tagcacaagt 480

tggtgtagtt gttgtgccct gatgttttgt gccaccaa at ggaccaaagg taactgctgt 540
aatagggctg a 551

<210> 9998

<211> 387

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-G8

<400> 9998

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gtggtgcggg tnngccctt gttccctgcc ggttggtggg tgggtgggt ntgctggcgg 360
gcgggtgggt cggcccggt tttccgg 387

<210> 9999

<211> 300

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-H10

<400> 9999

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ccctttttcg ggtttcgggc ngtggcggtt ttgcctgcgc gctgtgcgc cgcgtccctg 240
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<210> 10000

<211> 413

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-106-Q1-N6-H12

<400> 10000

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gttgganaaa ggggaaaaat tgttgtagtt gtaagaggggt tgnggggtta gnngnaaatt 120
gttggtagaa agggagnaat tgttggtgtg tnaagaagga agnanggttt gttgnagtta 180
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gtaatagttg ttggtggaaa taagnaggag ggtttagtgt agaaagttgg ttgaatggaa 360
gaaattgttg ttgttgagag tggggagaaa ggtttgnaa gattatttgg ttg 413

<210> 10001

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H5

<400> 10001

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tcattattcg atacaacaca aatatttcta tctagaatgc agcaccaaca aagggttgct 120
gtaagaacat ggggtggaatc gtcattggcca ttgggttgaa catgaatggg aactgctgtt 180
gcagcataat ctgcgagacg gcgtcgagc gacattgtgg catcatcatt tgcgacatca 240
tgctcggcaa gaccattggg gacatcatgc tcggcatcat caatgggtgac atcatgttag 300
gcgtcatcat ctgtggcatc atcactggca tcgtctgaag cggtaaggcc aacagttgct 360
gcagcatcag ggacggacac gccatcaagc tggcaagccc ctgttgcatc atgcagtact 420
gcatgcatgg gttcatggta cccaatggca tgactgggtg caagtgcctt ggaatatggg 480
tcgcactagt ggcgcttgca caaagagcta ggagagcgaa caatgcaagc atcttggtg 540
catggcgggt ggtgtccttg ctctctagag tatagtatag taaaatatgt gcg 593

<210> 10002

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H7

<400> 10002

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tggtagaatg ctgctgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgagcgt 180
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gctagcacia gttgttgtag ttgttggtgc ctgatgtttt gtgccaataa atgcacaaaa 540
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<210> 10003

<211> 273

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-106-Q1-N6-H8

<400> 10003

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gatgcgaccg tcgccgccgg ccagacgggc gcctatgcga cgagcgccgc cgattttctc 180
ogaacgatcg tgccgtattt ccggccgagc gaactgctgc gcgaccgcat catcgacctt 240
gcgcggcgcc gngccatcgc cgaccgggac acc 273

<210> 10004

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-106-Q1-N6-H9

<400> 10004

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cagctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caataaatgc accaaaggta 540
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<210> 10005

<211> 276

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A2

<400> 10005

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<210> 10006

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A3

<400> 10006

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acccactca accaccgcag ctaagccgt gccagcagtt eggatcctgc ggcgtcggca 240
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cggcgacgcc ctacggctcg ccacagtgc aggcgtgca gcagcagtc tgccaccaga 360
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tcctgcagca gcagccgcag ggcgagctcg cggcgctgat ggcgcccgag gttgcgcagc 480
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<210> 10007

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A5

<400> 10007

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aaaccccaat tgttcaacct tacaggatcc aacaggcaat cgcaacaggc atcttaccat 240
tataccctt gttcctccaa caaccgtcag ccctattaca gcagttacct ttgggtccatt 300
tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
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cttattttgca acaacaatta ccattcagcc agctagttgc tgctacccc cagcaatttc 480
ttccattcaa ccaactagag cattgaactc tgctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt 600

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626

<210> 10008

<211> 673

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A6

<400> 10008

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atcaaccacc accacaacat caccagcagc agcaaaccca acaacaacaa gttcacatgc 180
aaccacaaaa acatcagcaa caacaagaag ttcattgtgga gcaacaacaa caacaaccgc 240
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aacaacatca ccaacaatca caaggccatg tgcaacaaca cgaacagagc catgagcaac 360
accaaggaca gagccatgag caacaacatc aacaacaatt ccagggtcat gacaagcagc 420
aacaaccaca acagcctcag caatatcagc agggccagga aaaatcacia cagcaacaat 480
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caaatctaaa aaattgtcat gaattcctaa ggcagcagtg cagccctttg gtaatgcctt 600
ttctccaatc acgtttgata caaccaagta gctgccaggt attgcagcaa caatgtttgc 660
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<210> 10009

<211> 558

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A7

<400> 10009

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cgcgcagcgc gccgctcatt agctgaaagc agtgtcagag gaacttggac atgagatccg 180

ggttttttttc aagtgagaac tttgctctgc atccgagcaa gctgcctagt gccgatcatg 240
 aggaaggtga cgacttttat gagcttcagc ctgctgatta ctacaacttg atttogaaca 300
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 ctcagcgagc aacgcgaaca atggctgtaa tgagggtgcg attccctgat ggctacatac 420
 ttgaggctgg ctttcttcca tcggagaaga ttcatagtct agtggacctg cctctgaaa 480
 tcttgctnga ccagatctgc cattctaact gtattcagtc cttcaaata aacgaaaact 540
 gggcacataa caagactg 558

<210> 10010

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-A8

<400> 10010

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 ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacctc tgttctctca 240
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 ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gctactctc agcaacagca 360
 gtttcttcca ttcaaccaac taggttcatt gaactctgct tcttatttgc aacaacaaca 420
 actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact 480
 agcagcattg aactctcctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540
 agctgggtgtg agccctgcta ctttcttgac acaaccacag ttgttgccgt tctaccagca 600
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<210> 10011

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-A9

<400> 10011

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acaagctcgc tatttagcgt tccctttctn tgcccccgta ctttctctac tcattcggtg 120
tnncttcggt ttggtgagga gacccgantt gtgncaacnc nntacagga tcgcaaccca 180
ggcaatcgca gctttggcat cttaaccttt atcaaccctt gnttcctcca acaatcatca 240
gccctatta cagcagttac ctttgggtgca ttaattggca caaaacatca gggcacaaca 300
actacaacaa cttgtgctag caaaccttgc tgcctactct cagcaacagc agttttcttc 360
attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac aactaccatt 420
cagccagcta cctgttgctt acccccaaca atttcttcca ttcaaccaac tggcagcatt 480
gaactctcct gcttatttac agcagcagca actactacca ttcagccagc tagctggggt 540
gagccctgct accttcttga cacaaccaca gttgttgccg ttctaccagc acgctgcgcc 600
t 601

<210> 10012

<211> 472

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-B11

<400> 10012

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ttcccagcat ctgcgagtca tgcctcggct acaacccta cctccggatg ttaagagcgg 120
gggggggcaa ataatgcaca atctgtacac gtcctttggc tggattgcgg cggcgtcctg 180
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cactctctct cagttccaat gttgcacttc caatgagcga cgtcaatcgc gaatttttgc 360
cagagagcat gactggaggg ccatagctgg cctcgactat gattcatcct atgggaaggg 420
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<210> 10013

<211> 469
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-B12

<400> 10013

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tccgctgggg cggcgggggc ttogaacatc cagccgtgca agcctacagg ctacaactag 120
cgcttgccgc gagcgcctta caacaaccaa ttgcccaatt gcaacagcaa tccttggcac 180
atctgaccc t acaaaccatt gcaacgcagc accaacaaca acagcagttt ctgccatcac 240
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tttagcccg tgcgggggg caatgcacct acgtacctac aacaacagt 469

<210> 10014
<211> 655
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 10014

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tggcatagac tatgattcat cctatgggaa ggctcgccca aatgatacca ttctgaagct 540

tcaaaggaca gcaccatatt acaagaggaa cagagctcat gttttgcagn ttnctttgtg 600
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<210> 10015

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-C2

<400> 10015

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ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc 180
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ccattcaacc aacttgcttt gacaaacca acagcgttct accaacaacc catcattggt 540
ggtgccctct tttagattgc ttatgagtta tacttcaata atgaagtttt ttggatgatg 600
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<210> 10016

<211> 222

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-D1

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cggggtgcgc gctgggtgng ttgttcggcc tcgtcttctt gggctttttc ctctctctct 180
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<210> 10017
<211> 620
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-D2

<400> 10017

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caacaatcat cagccctatt acatcagttg cctttggtgc atttattggc ccaaaacatc 300
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cggtttcttc cttcaacca actagctgca ttgaactctg cttcttattt gcnacaacaa 420
caactaccat tcagccagct tctgtctgcc taccocccagc aatttcttcc attcaaccaa 480
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gcacgcttgt gcctaacgct 620

<210> 10018
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-107-Q1-K6-E1

<400> 10018

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tgtgtctgcc cctgttctag ctgcagaact gcagctgtac gctgtgtggg gcgggggttc 180
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350

<210> 10019

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-E10

<400> 10019

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cccggctctg aagatcgggt tccacgtgga ggagtactcg aaccccgctt acttcgcgggt 240
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agctggctgg ctggggcgct actcggctcg gccaccatcg tctacagtac tatactatgc 600
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<210> 10020

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-E3

<400> 10020

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 gagtcaattg aaggtgcctg ggcttagacc atccatgtca gtggatgatc tggtaacca 540
 cctaggcaac tgcatctcag agcagatcac ttcaggcgat cgggcattgg ccaacaacga 600
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<210> 10021

<211> 88

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-E7

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<210> 10022

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-E8

<400> 10022

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aagcctacag gctacaacta gcgcttgccg cgagcgccctt acaacaacca attgcccaat 240

tgcaacaaca atccttgga catctaacc tacaaccat tgcaacgcaa caacaacaac 300

aacaacagtt tctgccatca ctgagccacc tagccgtggt gaacctgtc acctacttg 360

aacagcagcc gcttgcatcc aaccacttg ctctggcgaa cgtagctgca taccagcaac 420

aacaacagct gcaacagggt atgccagtgc tcaggcaact agccatggtg aacctgccc 480

gctacctaca actactttca tctagcccgcc tcgcgggggg caatgcacct acgtacctac 540
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<210> 10023

<211> 137

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-F2

<400> 10023

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gccaattct tcaaccc 137

<210> 10024

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-F4

<400> 10024

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aaaaagagga tgacctctca aaatccattg ccttatgtaa tgtggaatcc aatgggggca 180

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aggataataa aacgtgtgat gagctggaga aatgtgtgag tgattttcta aagttgacaa 300

aacatcatct ttcagcattc aaggaagtcc taagccaatt gattgagaat atcgaaacat 360

atgtcggtaa cttggctgtc ttaacctcaa gggaagagga aaaagaacat ggggatgatg 420

aggcatctga gaggacagat ccacgtaaat cccttgaaga ggaatatcta gaaacagaaa 480

agaagattat aattgcgttc agcatagttg atcacataaa gaaattgttt tattctgggg 540

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<210> 10025
 <211> 627
 <212> DNA
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<223> Clone ID: LIB3061-107-Q1-K6-F9

<400> 10025

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agctggagca ccccttgag aagaggcagt ctgaggctaa tcgggtgggg ggggaaggcc 180
ctgacagaat tccagtgatt gttgagaagg ctgagaggag tgacattcct gacatcgaca 240
agaaaaagtc ctgctccctg ctgatcttac gggttgacaa ttctgtgatg ttgttaggaa 300
gagaatcaag ctcatgctg agaaagctat cttcatcttt gtgaagaaca ccttccacc 360
aacagctgct ctgatgtctt caatctatga agagaacaag gatgaggatg gattcctcta 420
catgacctac agtggtgaga acaccttcg gctcctctag atggctcacc acaatcgggt 480
ctgccttgcc cttgcttccc tactgatgcc ctgcctcgtg taaataagac ctgccaagca 540
attgtgtata ttctggtttc ctgctcaac tgctggaagt ctaaaccta ccttatcatg 600
gacaccgttt aaattaagta attgact 627
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<210> 10026
 <211> 622
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-G11

<400> 10026

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ttcttcccc atacctctca ccagcgggtg cttcaatgtg tgaaaaccca attgttcaac 180
cctacaggat ccaacaggca atcgcaacag gcatcttacc attatcacc ttgttctctc 240
aacaaccgtc agccctatta cagcagttac ctttgggtcca tttggtggca caaaacatca 300
gggcacaaca actacaacaa cttgtgctag caaaccttgc tgcatactct cagcaacatc 360
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agttttcttcc attcaaccaa ctggctgcat tgaactctgc tgcttatttg caacaacaat 420
taccattcag ccagctagtt gctgcctacc ccagcaatt tcttccattc aaccaactag 480
cagcattgaa ctctgctgct tatttacagc agcaacaact actaccattc agccagctag 540
ctgatgtgag ccctgctgcc ttcttgacac aacaacagtt gttgccgttc tacctgcacg 600
ctatgcctaa cgcntgcacc ct 622

<210> 10027

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G12

<400> 10027

cccggctcgac cagcttcgat ttttgagctt canaacacac ctagcgaagc gcactagcaa 60
cgacctaaca acaatggctt ccaagacatt atccctcctt gcgcttcttg ccctttttgt 120
gagtgaaca aatgcgttca ttattccaca atgctcactt gctccgagtg ccattattcc 180
acagttcctc cctccagtta cttcaatggg cttogaacac ccagctgtgc aagcctatag 240
gctacaacaa gcgcttgctg cgagcgtctt agaacaacca attgcccatt tacaacaaca 300
atccttggca catctaacca tacaaccat cgcaacgcag cagcaacaag cactgagcca 360
cctagccgtg gtgaacccta tcgcctactt gcaacaacag ctgcttgcac ccaaccact 420
tgctttggca aacgtagctg cataccaaca acaacaacag ttgcaacagt ttctaccagc 480
gctcagtcaa ctagccatgg tgaaccctat cgctaccta caacagcaac aacttctttc 540
atctagcccg ctgctatgg gcaatgcacc tacatactg caacaacagt tggtgcaaca 600
acagttgctg caacaaattg taccagctct tactcageta gctgtggcaa accctgct 658

<210> 10028

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-107-Q1-K6-G7

<400> 10028

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 gggggcgagg ggctgttttt gtactacctg cagcacattc tgggggggga ggtccagatc 180
 cggcagaaga cccacaacct caaccgtctc gaggcccagc gcaatgacct caactcccga 240
 gttagaatgc tcagggaaga gttgcagttg cttcaagagc ctgggtcata tgttggtgag 300
 gtggtgaagg tcatggggaa atcaaaggtt ctggtgaagg tacaccccga aggcaaatat 360
 gttgttgata tagataagag cattgntctc acaaagatca caccttcaac aagagtcgct 420
 cttcgtaatg atagctatat gctccatctg atcctaccaa gcaaagttga tccattggtc 480
 aatctcatga aagttgagaa ggttcctgat tctacatatg atatgattgg aggccttgac 540
 cagcaaatta aagagatcaa agaggtcatt gagcttccaa tca 583

<210> 10029

<211> 616

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-H12

<400> 10029

catgaagtgc tgatcgttgc ctttgcctc ctggcgctcg ctgcgagcgc cgctccagt 60
 acaagcggcg gctgtggctg ccagacacca ccgtttcctc taccgctcc gttctatatg 120
 ccgctccgt tctatctgcc gccgcagcag cagccgcagc catggcaata cccactcaa 180
 ccaccgcagc taagcccggtg ccagcagttc ggatcctgcg gcgtcggcag cgtcggcagc 240
 ccgttcctgg gccagtgcgt cgagttcctg aggcaccagt gcagcccggc ggcgacgcc 300
 tacggctcgc cacagtgcc ggcgctgcag cagcagtgct gccaccagat caggcaggtg 360
 gagccgctgc accggtacca ggcgacatac ggtgtgggtc tgcagtcctt cctgcagcag 420
 cagccgcagg gcgagctcgc ggcgctgatg gcggcccagg tagcgcagca gctgacggcg 480
 atgtcgggtc tgcagctgca gcagccaggt ccctgccctt gcaacgcagc tgccggcggt 540
 gtctactact gaggaaacta tgtactgtag taataatgta atggagccgc tgactagcta 600
 cctatagggc tatagc 616

<210> 10030
 <211> 659
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-107-Q1-K6-H3

<400> 10030

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cgtgtacgtg atcctgggcg gcggcggtggc cgcggggtac gccgcgctcg agttcgcccc  180
ccgcgggtggg tactcccgcg gagagctctg catcatctcc gaagaggccg ttgctcctta  240
tgaacgtcct gcactaagca aaggctatctt actcccagaa ggtgctgctc gtcttcagg  300
atttcatact tgtgttggtg ctaatgatga gttactgaca ccgaaatggt acaaagaaca  360
aggcattgaa cttgttcttg gaacaaaagt gattttctgct gatgtgaggc gcaagacatt  420
gcttacaggc actggtgaaa ctatcagcta caaaactcta attattgcga cagggtgctcg  480
ggctttgaag ctgcaagaat ttggaatata aggttcagat gcttcaaaca tatgttattt  540
gcgcaacatc gatgacgcgg ataagttggt gagtgtgatg aaatcatgtc ctggtggaaa  600
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<210> 10031
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-H4

<400> 10031

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gggggggggg gggggtgcn gccggcgccc tgcgtgggt gtccaccgac ggcgtcgcgc   60
cgcttggtgc ggtctacgtc tctcgccgtg taaccacaac atctaccagc tcgagccgtc  120
cattttttta attcttgctg cctcctttct tgttttgggt gggccccact gggccgggaa  180
ctctctctcg gcatcgacgc ccggttcctg cgcaagccc tgggcgtttg cctgcgcgtc  240
gccgacaagc tgcggagccg gtgtgacatg cgaggctaga tcgtccgcgt ggagccggtg  300
caetgctttc accagctgaa tccgtcgccg tottcgtcgt cgtttttctt cccgtcgtct  360

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cttggccatt tccaatcgtg ccatacgcgac gttgtcatgc tcttcgttct gcgccatgga 420
 ggtgaggcac 430

<210> 10032
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-107-Q1-K6-H7

<400> 10032

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 tttctttttt gcggtccnc tggtgggttc cgtnggagcc cnnaggggca agaccgctgc 120
 tcaaattccc tcgcggggcg atgttcccag cgtcggcctc aacgtgtgcc cgggcgtccc 180
 agcggggcgc gaccgcggga gcccgatccc aagtcgtccg ggcgggcgac aactgcgaat 240
 ctgcgcaccac ttggcgccgc gtcccgggcg ctggccgcct ggaggcgggg aagaggctgc 300
 gaatagagga agcatagggc ggcggtgctt gaagcacggc agctgggcga tctgagcctg 360
 ggaaggtcgg gtcaagatcg tcaaccctca cttcggcgcc tggttagcgg cgccatctcc 420
 gggccgtgtc catgactttt gt 442

<210> 10033
 <211> 589
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A1

<400> 10033

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 ctgccttctt ccccgcggtt tgcggctctc ccccncccc tctccccctt cggggggtgg 180
 ggggcctttg tcnnccccgc tctgcccgc ccnncggccc gctgcccccg cccctctntt 240
 ggcgggcgcc cctntcccn cgtgcctcc tcgcccccc cccctcccc ccccgccgc 300
 cgcccgcgcc ccccccncc ccccccccc cttggcccc ccccccccc ccccccccc 360

cccccccccc tccccccccc cncgcccccc cccccccccc cccccntcc ccccgcccg 420
 ccccccttc cgcccccccc cctgcccccc cccccccccc cccctcggcc cccctctcc 480
 cccccccccc cccccccccc cccggcccc cccccccccc cccccccccc ctcccccccc 540
 cccccgcccg cccccccccc cccccccccc cccccccct cccccccc 589

<210> 10034

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A10

<400> 10034

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 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttc catcaatggt 180
 gggggggagta tgtgaaaacc cagctcttca gccctatagg ctccaacaag caatcgcagc 240
 aagcaacata cctttatcac ccttggtgtt tcaacaatcg ccagccctat ctttggtgca 300
 gtcattggta caaaccatca gggcacagca gctgcagcaa ctctgtctac ctgtgatcaa 360
 ccaagtagct ctggcaaacc tttctcccta ctctcagcaa caacaatttc ttccattcaa 420
 ccaactgtct acactgaacc ctgctgctta tttgcagcaa caactattac cattcagcca 480
 gctagctact gcctactctc agcaacaaca acttcttcca tttaaccaat tggccgcact 540
 gaaccccgct gcttatttgc agcagcaaat actactacca tttagccagc tagctgcagc 600
 a 601

<210> 10035

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A11

<400> 10035

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 gaatccgctc gcctgcgct gcgctgcta cctgcgatcc atctctcatg gcgaccacca 120

gcccaggag gccgagcggc ccggtgctct cggccgcgca ctaccgctcc ggggtggggga 180
 cgcgcctctc gctcgccggg cagcccgta cgcgcagcgt gtcctcgctc tcgcggggcc 240
 cggcgacctg catgtgct 258

<210> 10036
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A12

<400> 10036

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 ttccctcctt atgtccttg ctctttctgc atgtgttgct aacgcgacaa ttttccctca 120
 atgtcacaa gtcctatag ctcccttct tccccatac ctccatcaa tgatagctgg 180
 ggggggtgaa aaccagctc ttcaacccta taggctcaa caagcaatcg cagcaagcaa 240
 cataccttta tcacccttgt ttcaacaatc gccagcccta tctttggtgc agtcattggt 300
 acaaaccatc aaggcacagc agctgcagca actcgtgcta cctgtgatca accaagtagc 360
 tctggcaaac ctttctcct actatcagca acaacaattt ctccattca accaactatc 420
 tacactgaac cctgctgctt atttgcagca acaactatta ccattcagcc agctagctac 480
 tgctactct catcaacaac aacttcttcc atttaaccaa ttggccgcac tgaacctcgc 540
 tgcttatttg cagcagcaaa tattactacc atttagccag ctagctgcag caagccgtgc 600
 tt 602

<210> 10037
 <211> 589
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A2

<400> 10037

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 cgaccaagat attttccctc cttatgctcc ttgctcttcc tacatgtgtt gctaacgcga 120

caattttccc tcaatgctca caagctccta tagcttcctt ttttccccca taccttccat 180
 caattatagc ttcagtatgt gaaaaccag ctcttcaacc atataggctt caacaagcaa 240
 tcgcagcaag caacatacct ttatcgccct tgttgtttca acaatcacca gccctatctt 300
 tgggtgcagtc attggtacaa accatcaggg cacaacagct gcagcaactc gtgctacctg 360
 tgatcaacca agtagctctg gcaaaccctt ctccctactc tcagcaacaa caattttctt 420
 cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat 480
 ttagccagct agctactgcc tactctcagc aacaacaact tcttcattt aaccaattgg 540
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<210> 10038

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A3

<400> 10038

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 accagttact tcaatgggct tcgaacatcc agccgtgcaa gcctacaggc tacaactagc 120
 gcttgcgggc agcgcccttac aacaaccaat tgcccaattg caacaacaat ccttggcaca 180
 tgtaacccta caaaccattg caacgcaaca acaacaacaa caacagtttc tgccatcact 240
 gagccaccta gccgtggtga accctgtcac ctacttgcaa cagcagctgc ttgcatccaa 300
 cccacttgct ctggcgaacg tagctgcata ccagcaacaa caacagctgc aacagtttat 360
 gccagtgtc agtcaactag ccattggtgaa ccctgcgctc tacctacaac tactttcatc 420
 tagcccgtc gcggtgggca atgcacctac gtacctacaa caacagttgc tgcaacaaat 480
 tgtaccagct ctgactcagc tagctgtggc aaacctgtgt gctacttac aacagttgct 540
 tocattcaac caactggctg tgtcaaactc tgetgcgtac ctacaacagc gac 593

<210> 10039

<211> 696

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A4

<400> 10039

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cccccccccc ccccncccc ccccncccc ccccccccc ggggggggggc gcgcgcgcgc 180
cccccccccc ccccccccc ccccccccc ccccccccc ccccccccc cccccccgc 240
gcccggggccc ccgcnccccc ccccccccc ccccccccc ccccccccc ccccccccc 300
cccccccccc cccncccccc ccccccccg ncccccccc ccccgncccc ccnccccccc 360
cgcccccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccncnc 420
gcccccccc cccccccnc ccccccccc ccccccccc gcccccccc ccccccccc 480
cccccccccc ccccccccc ccccccccc cccncccccc ccccncccc ccccccccc 540
cccgcgcgc ccccccccc ccccgcccc ccccccccc ccccccccg ccccncccc 600
cgcgcccccc cgcccgcccc ncccccccg ccccgcncc cgcccccccc cccccacccc 660
cccccccccc ccccccccc gcccgcgcgc ccccc 696

<210> 10040

<211> 183

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A5

<400> 10040

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tttactcatt tagcggcgat gagtaacgta gtgtcaccca tcaccatggg tggcagtgtg 120
agcaatgacc tgaatgaacc attgaaatgg aaaggaataa tatataagga aaaaagagag 180
ggg 183

<210> 10041

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-A6

<400> 10041

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cggttgcttca gctgagcttg agaagaacag aatggatcaa aatgggaact ccaaagctga 120
tactcatgga aaattacgct cattgagtga gatattattt agacctgatg ttgggtgggtc 180
atcagagggg gggcgagaag attcagatta tgatgatgaa atggagttgg actatgagac 240
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ttaccgattt catcaaagag aggatcaaac caatgaacac actggtgaga atgggtcaat 360
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aagatatggt gcacactgca acggttgaac agatatcaaa caagccagct ttcttgggtga 480
gcaaggggag ttcatcgcca gtggaagtga tgatggtaga tggtttatat gggagaaaag 540
aacaggaagg cttattaaaa tgcttgcagg ggatggagct gttgtgaact gcatacagtc 600
tcatccct 608

<210> 10042

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-A7

<400> 10042

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cgggnagnacg ccagcatggg gaacatcgcg cacctcgccg cggagggcag cggcggcagg 120
gaggaagggt acggctccgc ggggagcgcc cgcacaagaa gcgaggtgag gcgggggggtc 180
gaagaggagc acaagaagtt tctgcttggg ttgaataagc tagggaaagg cgattggcgt 240
ggtatatccc gtaaatatgt tgtttcaagg acacctactc aagtggctag ccatgcgcaa 300
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gagcagcaac atttagatga tccacagcct gttgcagccc tgcttcgacc tgtggtctct 480
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<210> 10043
 <211> 590
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-A8

<400> 10043

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 gggggggaag ttcgttgtaa tttgccccga caattccaag gtttaccctc tccttccgaa 240
 cttgcctggc cctggtggtt taactccgct gcattctgct gcgtccatcg agaatgcaga 300
 ggatatagtt gacgccttga cagacgaccc tcaacagact ggtgtaacct gttggcagac 360
 agttctagac gacgacggcc aatctcccga aacatatgcc aagttgagga accataattc 420
 ctataatgag ctctagcgc aaaagctggt ggacatgaag aacaaccagg tcacagtaag 480
 ggttaacggc gatgggattc gtgcggatcg gttaggaaat gatgttggtg accgcaaaag 540
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<210> 10044
 <211> 597
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-B11

<400> 10044

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 ccttcttccc ccgtacctct caccaacggt gtcttcggta tgtgaaaacc caatgggggg 180
 gggggggcag gatccaacag gcaatcgag ctggcatctt acctttatca cccttggttc 240
 tccaacaatc atcagcccta ttacagcagt tacctttggt gcatttattg gcacaaaaca 300
 tcagggcaca acaactacaa caacttggtc tagcaaacct tgetgctac tctcagcaac 360

agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat ttgcaacaac 420
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aactgacagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 540
agctagctgg tgtgagccct gctaccttct tgacacaacc acagttgttg ccgttct 597

<210> 10045
<211> 594
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-B2
<400> 10045

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caagctccta tagcttcctt tcttccccca tacctctcac cagcgggtgtc ttcaatgtgt 180
gaaaccccaa ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg catcttacca 240
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gcatactctc agcaacatca gtttcttcca ttcaaccaac tggtgtcatt gaactctgct 420
gcttatttgc aacaacaatt accattcagc cagctagtgt ctgectaccc ccagcaattt 480
cttcatttca accaactagc agcattgaac tctgctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgatgtgagc cctgctgctt tcttgacaca acaa 594

<210> 10046
<211> 612
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-C1
<400> 10046

cgtctcggca acatagnaaa gcacaatagt gtaccaacag ggcagccaaa aattttgctt 60
ccttatgctc cttggtcttt ctgcaagtgt tgctaccgcn accattttcc cacaatgctc 120

acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg 180
 tgaaacccca attgttcaac cctacaggat ccaacaggca atcgcaacag gcatcttacc 240
 attatcacc cttgttcctcc aacaaccgtc agccctatta cagcagttac ctttgggtcca 300
 tttgggtggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatt 480
 tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc agcaacaact 540
 actaccattc agccagctag ctgatgtgag cctgctgcc ttcttgacac aacaacagtt 600
 gttgccgttc ta 612

<210> 10047

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-C10

<400> 10047

tagcaacatt acatagtga tacactggcg gcatgttagc accaatggca gccaagattt 60
 ttgccatcct tgcctcctt gctctttcag caagcgttgc taccgcgact attattccac 120
 aatgctcaca acaatacctc tctccggtga cagccgcgag atttgaatac ccaggtgggg 180
 ggggctacag gctacaagag gccatcgcag caagcatctt acggtcgtta gcattgaccg 240
 tccaacaacc atatgccta ttgcaacaac catccttaat gaatctatat ctccaaagaa 300
 tgcgagcaca acaactacaa caacagttgc ttccaacaat caatcaagta gttgcagcga 360
 accttgctgc ttacctccag caacaacaat ttcttcatt caatcaacta gctgggggtga 420
 acctgctgc ttacttgcag gcacaacagc tactaccatt caaccaactt gtcaggagcc 480
 ctgctgcctt cttactgcag caacagntgc ttccattcca tctacaagtt gtggcaaaca 540
 ttgctgcttt cttgcaacaa caacaacaat tgctgccatt ttaccacag gttgtgggaa 600
 aaattaacgc cttttt 616

<210> 10048

<211> 598

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C3
 <400> 10048

tagcaacata gnaagcacaa tagtgtacca acaatggcag ccaaaatttt tgcttcctta 60
 tgctccttgg tctttctgca agtggttgcta ccgcaaccat tttcccacaa tgctcacaag 120
 ctctatagc ttcccttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa 180
 cccaattgt tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat 240
 cacccttggt cctccaacaa ccgtcagccc tattacagca gttacccttg gtccatttgg 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgtgtgat 360
 actctcagca acatcagttt cttocattca accaactggc tgcattgaac tctgtgtgctt 420
 atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 480
 cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 540
 cattcagcca gctagctgat gtgagccctg ctgccttctt gacaaacaac agttgttg 598

<210> 10049
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C4
 <400> 10049

cccgggtcgc ccacgctccg taatcaaaat aaattttttg gntgatgtgt gtggccaacc 60
 agaaataaga agttacattt ccagaattct aatgtgaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaagaaa aaaaaaaata aaaggaaaaa aaaaaaaaaa aaacggtgcg tgcttactaa 180
 gagggcccac ctatagtggg ggggtgggtg gaaggcacat ggctgttgtt tttacaacgc 240
 tctaaactga gtaaaacccc gccgtttccc aactcgttcg ctttgcaaaa actcccgtt 300
 tccccagctg gctccattgg gaacaggccc ccacgccccg cgcttcccaa ctgttgcgca 360
 gcccaatgg ntctgtttt cccaactgtt ggggcccctt aatggcgatg ggccgtgccc 420
 cttcccgctg cctttaccgc ccgcttgcc ggggcgttac cccccg 466

<210> 10050
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-074-Q1-K6-C6

 <400> 10050

 gcagcaacaa ctactaccat tcagccagct agctggtgtg agccctgcta ccttcttgat 60
 acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctcttaca 120
 actgcaacaa ttgctgccat tcaaccaact tgctttgaca aaccagcag cgttctacca 180
 acaaccatc attggtggtg ccctctttta gatttcttat gagttatagt tcaataataa 240
 agttttttgt ctgatgtttg tggcttccca gaaataagaa agtacatttc t 291

<210> 10051
 <211> 712
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-C7

 <400> 10051

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 ggcccccccc ccccccccc cccccnnnc cccccccnn nccccnnccc ccccccccc 120
 ccccccccc ccccccccc ccccccccc ccccccccc ccccgneccc ccccccccc 180
 ccccncccc ccccccccc ccggcgccc ccgggcccc ccccccccc ccccccccc 240
 ccccccccc ccccccccn ncccccccc ccccccccc cccccccgn ccccccccc 300
 ccccccccc ccccccccc ccccccgcc ccccggggc gcccccccc cccccnccc 360
 ccccccccc ccccccccc ccccccccc ccccccccc gncncccc ccccccccc 420
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc cgcccccccc 480
 ccccccccc ccccccccc ccccccccc ccccccccn gnccccccc ccccccccc 540
 ccccgneccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 600
 ccccccccc cccccccnc ccccccncc ccccccgcc ccccccccc ccccccccc 660

cccccccccc cccccgccc cccccccgnc gcccccccn ccccccccc cc

712

<210> 10052

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-C8

<400> 10052

tccgctnagc aacatagnaa agcacaatag tgtgccaaca tggcagccaa aaattttgct 60
tccttatgct ccttgggtctt tctgtcagtggt tgctaccgca accatttttcc cacaatgctc 120
acaagctcct atagcttccc ttcttccccc atacctctca ccagcgggtgt cttcaatggg 180
ggaagacccc aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcatcttac 240
cattatcacc ctgtttcctc caacaaccgt cagccctatt acagcagtta cctttgggtcc 300
atttgggtggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccttg 360
ctgcatactc tcagcaacat cagtttcttc cattcaacca actgggtgca ttgaactctg 420
ctgcttattt gcaacaacaa ttaccattca gccagctagt tgetgectac ccccagcaat 480
ttcttccatt caaccaacta gcagcattga actctgctgc ttattttacag cagcaacaac 540
tactaccatt cagccagcta gctgatgtga gccctgctgc ctte 584

<210> 10053

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-C9

<400> 10053

gaccaaccgc gccggttcat ctaccggcgg cggggcatct gccacctcgg gttcacctgc 60
cacctccggt gcatctccca ccgcccgtcc acctgccgcc gccgggtccac ctgccaccgc 120
cgggtccatgt gccgcccggc gttcatctgc cgccgccacc atgccactac cctactgagg 180
gggcccgggc tcagcctcat ccccagccac acccatgccc gtgccaacag ccgcatccaa 240
gcccgtgcc gctgcaggga acctgcccgc ttggcagcac cccgatcctg ggccagtgcg 300
tcgagttcct gaggcacag tgcagcccga cggcgacgcc ctactgctcg cctcagtgcc 360

agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag caccggtacc 420
aggcgatctt cggcttggtc ctccagtcca tcctgcagca gcagccgcaa agcggccagg 480
tcgcggggct gttggcggcg cagatagcgc agcaactgac ggcgatgtgc ggcctgcagc 540
agccgactcc atgcccctac gctgctgccg gcggtgtccc cactgaaga aactatgtgc 600
t 601

<210> 10054

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D10

<400> 10054

ctaacaacaa tggctaccaa naattagccc tccttgcgct tcttgccctt tttgtgagcg 60
caacaaatgc gttcattatt ccacaatgct cacttgctcc tagtgccatt attccacagt 120
tcctcccacc agttacttca gtggggggng gaacacctag ctgtgcaagc caacatgcaa 180
caacaagcgc ttgcggcgag cgtcttacia caaccaattg cccaattgca acaacaatcc 240
ttgccacatc taacaatata agccatcaca acgcaacagc aacaacagtt cctaccagca 300
ctgagccacc tagccatggt gaaccctgcc gcctacttgc aagagcagct gcttgcaccc 360
aaccacttg ctctggcgaa cgtagtgtgca aaccagcaac aacaacagct acaacagttt 420
ctgccaacgc tcagtcaact agccatggtg aaccctgccg cctacgtaca acaacaacaa 480
ctgctttcat ctagcccgct cgctgtgggc aatgcaccta catacctgca acaacaattg 540
ttgcaacaga ttgtaccagc tctgactcaa ctagct 576

<210> 10055

<211> 615

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D12

<400> 10055

gnctccgggn acctgggcgc acaaagcggg ggggtgtcca catgctcact tgctcctagt 60

gccagtattc cacagttcct cccaccatta cttcatgggc ttcgaacatc cagccgtgca 120
 agcctacagg ctacaactag cgcttgcggc gagcgctta caacaaccaa ttgcccgggg 180
 gggcaacaat ccttggcaca tctaacccta caaaccattg caacgcaaca acaacaacaa 240
 cagtttctgc catcactgag ccacctagcc gtggtgaacc ctgtcaccta cttgcaacag 300
 cagctgcttg catccaaccc acttgetctg gcgaacgtag ctgcatacca gcaacaacaa 360
 cagctgcaac agtttatgcc agtgctcagt caactagcca tgggtaaccc tgccgtctac 420
 ctacaactac tttcatctag cccgctcgcg gtgggcaatg cacctacgta cctacaacaa 480
 cagttgctgc aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc 540
 tacttacaac agttgcttcc attcaaccaa ctggctgtgt caaactctgc tgcgtaccta 600
 caacagcgac aacag 615

<210> 10056

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D3

<400> 10056

ccaacaagca acatagnaag tggnaatcca gtagcaacaa tagagcaaca atggcgacca 60
 agatctttcc ctccctatgc tccttgctct ttctgcatgt gttgctaacg cgacaatttt 120
 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttc catcaatgat 180
 agcttcagta tgtgaaaacc cagctcttca accctatagg ctccaacaag caatcgcagc 240
 aagcaacata cctttatcac ccttgtttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaagg cacagcagct gcagcaactc gtgctacctg tgatcaacca 360
 agtagctctg gcaaaccctt ctccctacta tcagcaacaa caatttcttc cattcaacca 420
 actatctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
 agctactgcc tactctcatc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
 cctcgctgct tatttgcagc agcaaatact actaccattt agccagctag ctgcagcaag 600
 ccgtgct 607

<210> 10057
 <211> 593
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-D4

 <400> 10057

gnaacattta naaaccacac ctnagcggag acgcggttag caacgaccta acaacaatgg 60
 ctaccaanat ttagcccttc ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt 120
 cattatttca caatgctcad ttgctcctag tgccattatt ccacaattcc tcccaccagt 180
 tacttcaatg ggcttcgaac acccagctgt gcatgcctac aggctacaac aagcgcttgc 240
 ggcgagcgtc ttacaacaac caattgcccc attacagcaa caatccttgg cacatctaac 300
 aatacaaacc atcgcaacgc aacagcaaca acagttccta ccagcactga gccacctagc 360
 catggtgaac cctgccgcct acttgcaaca gcaactgctt gcatccaacc cacttgctct 420
 ggcaaacgta gttgcacacc agcaacaaca acagctgcaa cagtttctgc cagcgctcag 480
 tcaactagcc atggtgaacc ctgccgccta cctacaacag caacaactgc tttcatctac 540
 cccgctcggt ctggccaatg cacctacata cctgcaacaa caattgttgc aat 593

<210> 10058
 <211> 605
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-074-Q1-K6-D6

 <400> 10058

caccacggtg tcttcggtat gtggaaaacc caattottca acctacagg atccaacagg 60
 caatcacagc tggcatctta cttttatcac cttgttctt ccaacaatca tcagccctat 120
 tacatcagtt acctttggtg catttatttg cacaaaacat cagggcacia caactacaac 180
 aacttgtgct agcaaactt gctgcctact ctgagcaaca gcagtttctt ccattcaacc 240
 aactagctgc attgaactct gtttcttatt tgcaacaaca acaactacca ttcagccagc 300
 tacctgctgc ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc 360
 ctgcttattt acagcagcaa caactactac cattcagcca gctagctggt gtgagccctg 420

ctaccttctt gatacaacca cagttgttgc cgttctacca gcacgtgcg cctaacgctg 480
gcacctctt acaactgcaa caattgctgc cattcaacca acttgctttg acaaaccag 540
cagcgttcta ccaacaaccc atcattggtg gtgccctctt ttagatttct tatgagttat 600
agttc 605

<210> 10059

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D7

<400> 10059

aacaatggcg accaanattt ttccctcctt atgctccttg ctctttctac tgtgttgcta 60
acgcgacaat tttccctcaa tgctcacaag ctcttatagc ttcccttctt ccccatacc 120
ttccatcaat tgtgggggtca gtatgtgaaa acccagctct tcaaccatat aggcttcaac 180
aagcaatcgc agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc 240
tatctttggt gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc 300
tacctgtgat caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat 360
ttcttccatt caaccaactg tctacactga accctgctgc ttatttgcag caacaactat 420
taccatttag ccagctagct actgcctact ctacgaaca acaacttctt ccatttaacc 480
aattggccgc actgaacccc gctgcttatt tgcagcagca aatactactg ccatttagcg 540
agctagctgc agaaagttgt gc 562

<210> 10060

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-D9

<400> 10060

anaagtggna atccagtagc aacaacagag caacaatggc gaccaagata ttttccctcc 60
ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct caatgctcac 120

aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtatgtg 180
aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc aacatacctt 240
tatcaccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa 300
ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 360
caaacccttc tcctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac 420
tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct 480
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 540
atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcc 600
tcttg 605

<210> 10061
<211> 594
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-E1
<400> 10061

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tatgctcctt ggtctttctg caagtgtctg tacggcgacc attttcccg aatgctcgca 120
agctcctata gcttcccttt cccccgtacc tctcaccagc ggtgtcttcg gtgtgggaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcac agctggcacc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacatca gttaccttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcaattgaac tctgcttctt 420
atttgaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactggca gcattgaact ctctgtctta tttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccac 594

<210> 10062
<211> 619
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E10

<400> 10062

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tcctcccacc agttacttca atgggcttcg aacatccagc cgtgcaagcc tacaggctac 120
aactagcgct tgcggcgagc gccttacaac aaccaattgc ccaattgcaa caacgggggg 180
tgggggcatc taaccctaca aaccattgca acgcaacaac aacaacaaca acagtttctg 240
ccatcactga gccacctagc cgtgggtgaac cctgtcacct acttgcaaca gcagctgctt 300
gcatccaacc cacttgctct ggccaacgta gctgcatacc agcaacaaca acagctgcaa 360
cagtttatgc cagtgtcag tcaactagcc atgggtgaacc ctgccgtcta cctacaacta 420
ctttcatcta gcccgctcgc ggtgggcaat gcacctacgt acctacaaca acagttgctg 480
caacaaattg taccagctct gactcagcta gctgtggcaa accctgctgc ctacttacia 540
cagttgcttc cattcaacca actggctgtg tcaaactctg ctgcgtacct acaacagcga 600
caacagttac ttaattcat 619

<210> 10063

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E11

<400> 10063

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aacaacaatc cttgccacat ctaacaatac aagccatcac aacgcaacag caacaacagt 120
tcctaccagc actgagccac ctagccatgg tgaacctgc cgctacttg caagaggggg 180
gggttgcatc caaccactt gctctggcga acgtagttgc aaaccagcaa caacaacagc 240
tacaacagtt tctgccaacg ctcagtcaac tagccatggg gaacctgccc gctacgtac 300
aacaacaaca actgctttca tctagccgc tcgctgtggg caatgcacct acatacctgc 360
aacaacaatt gttgcaacag attgtaccag ctctgactca actagctgtg gcaaaccctg 420
ttgcctactt gcaacagctg cttccattca accaactgac tctgtcgaac tctgctgcgt 480

acctacaaca gcgacaacag ttacttaatc cattggtagt ggctaacca ttggtcgccg 540
ccttcctaca gcagcaaca 559

<210> 10064

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E3

<400> 10064

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ttttccctcc ttatgctcct tgctctttct acatgtgttg ctaacgcgac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aattatagct 180
tcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct gatcaaccaa 360
gtagctctgg caaaccttcc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
gtactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
cccgtgctt atttgcagca gcaaatacta c 571

<210> 10065

<211> 602

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E4

<400> 10065

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ttatccctct ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt cattattcca 120
caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
ggcttogaac acccagctgt gcaagcctac aggetacaac aagcgcttgc ggcgagcgtc 240
ttacaacaac caattgccca attacaacaa caatccttgg cacatctaac catacaaacc 300

atcgcaacgc aacagcaaca acaattttcta ccagcactga gccaaactagc tgtggtgaac 360
cctgtgcgct acttgcaaca gcagttgctt gcattccaacc cacttgctct ggcaaacata 420
gttgcatacc aacaacaaca acaattgcaa cagttttctac cagcgctcag tcaactagcc 480
atggtgaacc ctgcccgccta cctacaacag caacaactga tttcatctag cctctcgtct 540
gtgggttaatg cacctacata cctgcaacaa cagttgctgc aacagattgt accagctctg 600
ac 602

<210> 10066

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-E7

<400> 10066

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tgccgcagtt gccgaccgca agcgggaagcg gaccgcgcgc gccgccaaga ccacctccct 120
taagaaccag atccgctcca ccgagcgctt cctccgcaag gaccttcggt atgagaggag 180
ggggggtcaa gagaagaaac tggaagaact gaagaggcaa caagagcttc agaatcaact 240
tgctgtccag cggacattac agtttagaga tagaaagata aaattctttg agagacggaa 300
gattgagagg atgataaggc gactcgagaa gcaacaacgt tcaaatggtg atggtgtcaa 360
caataatctg tcaaaattgc gagaagatct tgaatatggt agattcttcc ctaagaatga 420
gaaatatgtc tcgctgttca ctggagggaa cagtcaagat attgttcaag agaggaataa 480
atggcgcaaa cagatcaagg agaattctcat ggctgtgca gcaaacggaa aagatttaga 540
agagacagca agcgatgacg ataccttgga tgtgagtgat gatgacttct ttatgtctgg 600

<210> 10067

<211> 557

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E8

<400> 10067

anaaacacaa tatgtaccaa catggcagggc aaaatTTTTg cctccttatg ctccttggtc 60
 tttctgcaag tgctgctacg ggcaccattt tcccgcaatg ctcgcaagct cctatagctt 120
 cccttcttcc cccgtacctc tcaccagcgg tgtcttcggg atgtgaaaac cgaatgcttc 180
 aaccctacag gatccaacag gcaatcgag ctggcatctt acctttatca cccttggttc 240
 tccaacaatc atcagcccta ttacaacagt tacctttggg gcatttattg gcacaaaaca 300
 tcagggcaca acaactacaa caacttggtg tagcaaacct tgctgcctac tctcagcaac 360
 agcagtttct tccattcaac caactagggt cattgaactc tgcttcttat ttgcaacaac 420
 aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt ccattcaacc 480
 aactagcagc attgaactct cctgcttatt tacagcagca acaactacta ccattcagcc 540
 agctagctgg tgtgagc 557

<210> 10068

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-E9

<400> 10068

gcactagcaa cgacctaaaca acaatggcta ccaanattta gccctccttg cgcttcttgc 60
 cctttttgtg agcgcaacaa atgcgttcat tattccacaa tgctcacttg ctcttagtgc 120
 cattattcca cagttcctcc caccagttac ttcaatgggc ttggaacacc tagctgtgca 180
 agccaacatg caacaacaag cgcttgccgc gagcgtctta caacaaccaa ttgcccatt 240
 gcaacaacaa tccttgccac atctaacaat acaagccatc acaacgcaac agcaacaaca 300
 gttctacca gcactgagcc acctagccat ggtgaacctt gccgctact tgcaagagca 360
 gctgcttgca tccaaccac ttgctctggc gaacgtagtt gcaaaccagc aacaacaaca 420
 gctacaacag tttctgcaa cgctcagtca actagccatg gtgaacctg ccgctacgt 480
 aacaacaaca caactgcttt catctagccc gctcgtgtg ggcaatgcac ctacatacct 540
 gcaacaaca 549

<210> 10069

<211> 537

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F1
 <400> 10069

```

gggggggcccc ccccccncc cccccgggcg cccccncccc ccccccccc ccccccccn 60
nncccccccc ccccccccc ccccccccc ccccccccc ccccncccc cncncccc 120
cccccccccc ccccccccc nggggggggg ggggncccc ccccccccc ccccccccc 180
cccncccccc ccccncccc ccccccccc ccnnnncccc ccccccccc ccccncccc 240
nncccccccc cncncccccc ccccccccc ccccccccc ccccccccc cnnccccccc 300
cccccccccc cccncccccc cccccnccc ccccccccc ccccccccc ncccccccc 360
cccccccccc ccccccccc ccccccccc ccccccccc ccccccccc ncccccccc 420
cccccccncc cccncccccc ccccccccc ccccccccc ccccccccc ccccccccc 480
cccccccccc ccccccccc ccccccccc ccccccncc ccccccccc ccccccc 537

```

<210> 10070
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F10
 <400> 10070

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gggggcaggg ggctcccagg tcctggcggg cggcctcncc gggggggcgt tggggctgtc 60
cgtgtacccg acggacgtgg tgaagagcgt gatccagggtg gacgattaca agaagcccaa 120
gtactccggg tccctcgacg cgctgaggaa gatcgtggcg gctgatgggg tgaagggcct 180
gtacaagggg ttcgggaccg gggctggcac ncancgttcc anccaatgcc ggcacattcg 240
tggcctacga gatcacgaga tcggcgcttg gttgatttga ttggtgctgg cctttgccat 300
ggccctttgc agttttattca ttctccttgc gcggctggag caacgcgaac aatgcgagac 360
aattttaggg aggaaagaga gagagaaact tttcacttca atgatgagat tctttaatga 420
agc 423

```

<210> 10071
 <211> 570
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-F11

<400> 10071

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cgtaccggta cgaacactga ccgcgggagg ccgcaactca aagagtgtga ccacggaact 60
gaagccatgg cggttacagt tgagaagggc tctatgggag agccggcgct gctgctggag 120
cgcagccggg cgatcaccct gcacggccgt gaccggaaag gccgtgccgg ggggggggacg 180
tcnncaacta ctttccagcg cgcgcgctgg ggggcccggc ggaggaggcg ctgcggctgt 240
acctgcccga gcgcacctc ccggagatcg gggaccgcca gttcgtggtc gtgtacatgc 300
actcccgcgt ggatcgcggc cacaacttcc ccggcgctcg tgcatccgc ggcgcgtagc 360
agacgctgcc ggccgcggcc aaggagaggc tgcgcgccgt ctacttcgtg caccggcccc 420
tccagtccag gatcttcttc gccaccttcg ggcgcttcct cttcagctca nggttgtatg 480
agaagctgcg atacatgagc cggcttgagt acgtttgggc ccacatagac aaggagcagc 540
tggagggtccc cgaatgctgt cgcgagcacg 570
```

<210> 10072
 <211> 617
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F12

<400> 10072

```
cccagcgtcc ggcaacatag aagggggggg gaggggcaac aacagagcaa caatggcgac 60
caagatattt tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctccatagc tttcccttct ccccatacc ttggagcagg 180
agggcttcag tatgtgaaaa ccagctctt cagccctata ggctccaaca agcaatcgca 240
gcaagcaaca tacctttatc acccttggtg tttcaacaat cgcagccct atctttggtg 300
cagtcattgg taaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc 360
aaccaagtag ctctggcaaa ctttctctcc tactctcagc aacaacaatt tcttccattt 420
```

aaccaattgg ccgcactgaa ccccgctgct tatttgcagc agcaaatact actaccattt 480
agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 540
taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt gttgcccttt 600
gtccaacttg ctttgac 617

<210> 10073
<211> 583
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F2

<400> 10073

cgtcagccta gcattagctc acgactccgg atgggagact cgacaccatg aagtgcctgat 60
cgttgccctt gctctcctgg cgctcgtgctc gagcgccgcc tccagtacaa gcggcggctg 120
tggtgccag acaccaccgt ttcattctacc gcctccgttc tatatgccgc ctgcgttcta 180
tctgccgccg cagcagcagc cgcagccatg gcaatacccc actcaaccac cgcagctaag 240
cccgtgccag cagttcggat cctgcggcgt cggcagcgtc ggcagcccgt tcttgggcca 300
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gtgccaggcg ctgcagcagc agtgcctgcca ccagatcagg caggtggagc cgctgcaccg 420
gtaccaggcg acatacgggtg tggtcctgca gtccttctg cagcagcagc cgcagggcga 480
gctcgcggcg ctgatggcg cccaggtagc gcagcagctg acggcgatgt gcggcctgca 540
gctgcagcag ccaggtccct gcccttgcaa cgcagctgcc ggc 583

<210> 10074
<211> 617
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F3

<400> 10074

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taccttccat caatgatagc ttcagtatgt gaaaaccag ctcttcagcc ctataggctc 120
caacaagcaa tcgcagcaag caacatacct ttatcacct tgttggttca acaatcgcca 180

gccctatctt tgggtgcagtc attggtacaa accatcaggg cacagcagct gcagcaactc 240
 gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctcctactc tcagcaacaa 300
 caatttcttc cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa 360
 ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact tcttccattt 420
 aaccaattgg ccgcactgaa ccccgctgct tatitgcagc agcaaatact actaccattt 480
 agccagctag ctgcagcaaa ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 540
 taccagcagt ttgcggctaa ccccgcaacc ctcttacaac tacaacaatt gttgcccttt 600
 gtccaacttg ctttgac 617

<210> 10075

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-F4

<400> 10075

cgccccgcgc ccgcnncnnn caggcgccgg cccccgcen ccccccccc cccccgcgc 60
 ccccccggc ccgcccccc ncccccccc ccgcccccc cccncccc cccccggcg 120
 gggggcgggc ccccccccc ccccccccn ccnngcccc ccccccccc cggcccccc 180
 cccncccc ccccccccc ccccccccc ccncccccc ccccccggg ncccccccc 240
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 300
 ccccccccc ccccccccc ccccccccc ccccccccc ccccccncc ccccccccc 360
 ccccccccc ccccccccc ccccccccc ccccccccc ccgcccccc ccccccgcc 420
 ccccncccc ccccccccc ccccccccc ccccccccc ccccccgcc ccccccccc 480
 ccgcccccc ccccccccc ccncccccc ccccccccc ccgcccccc acacc 535

<210> 10076

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-F5

<400> 10076

cttgctccta gtgccattat tccacaggtg gtgccaccag ttacttcaat gggcttcgaa 60
 catccagccg tgcaagccta cagggtacaa ctacgcgttg cggcgagcgc cttacaacaa 120
 ccaattgccc aattgcaaca acaatccttg gcacatctaa ccctacaaac cattgcagcg 180
 gagcaacaac aacaacaaca gtttctgcc a tctactgagcc acctagccgt ggtgaaccct 240
 gtcacctact tgcaacagca gctgcttgca tccaaccac ttgctctggc gaacgtagct 300
 gcataccagc aacaacaaca gctgcaacag tttatgccag tgctcagtca actagccatg 360
 gtgaaccctg ccgtctacct acaactactt tcatctagcc cgctcgcggt gggcaatgca 420
 cctacgtacc tacaacaaca gttgctgcaa caaattgtac cagctctgac tcagctagct 480
 gtggcaaacc ctgctgccta cttacaacag ttgcttccat tcaaccaact ggctgtgtca 540
 aactctgctg cgtacctaca acagcgacaa cagttactta atccattggc a 591

<210> 10077

<211> 513

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-F6

<400> 10077

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 tcggcggtcc ggcgatctcg ctcaccggcg ggaacatgac tacttcaagg cgccttgctg 120
 acaggaagac cgcaaagtcc cagaagaaca tcaccaggag gggttctgtg cctgaaacca 180
 ctgtcaagaa gggaaatgac taccctgttg gccctctagt gcttgggttc ttcattcttg 240
 tcgtcattgg atcatcgttg tttcagatca tcaggacggc aaccagcggc ggggtggctt 300
 gagagccggc ccacatctaa tccccagtat agagagttgc ttgttataca tgcattccagc 360
 taggattggg tagcagctaa aatgttaaac gtgacaagac tgccctgcat tccgttcatt 420
 tgggtggcct tgaatctgga actgaaccat aaggcagaat catgtacctt atataaagtg 480
 ttaaattggg aactggatct cagtgtttca ttt 513

<210> 10078

<211> 370

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-F7

<400> 10078

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cccccgcccc cccccccccc ccggggggggg gggggcgenc ccgccccccn ccgccccgccc 60
ccgcccgcgc cccccccccc ccnngccccg gccccccccc ccccccgccc cccccccccc 120
gccccccccc cgcgcccccc nncncccccc cccccccccc cncccccggc gggggcgcgcg 180
ggggggnccc cccccccccc cccccccccc gcnccccccc gnccccccccc ccgcccccgcc 240
ccccccccc cgcnccccc cccccccccc gccccccccc cccccccccc gccccggggcc 300
ngccccngcc agccccncc cccccccccc gcgcgcccc cncccccccc cccccccccc 360
ccccccccc 370
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<210> 10079
<211> 609
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-F9

<400> 10079

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gcaacatagn aagtagaatc cattagcaac aatagagcaa caatggcgac caagatattt 60
tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat ttccctcaa 120
tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttga 180
gggtgtgaaa acccagctct tcaaccatat aggttcaac aagcaatcgc agcaagcaac 240
atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggg gcagtcattg 300
gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
tctacactga accctgctgc ttatttgag caacaactat taccatttag ccagctagct 480
actgcctact ctacgaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc agcaagtcgt 600
gcttccttc 609
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<210> 10080
 <211> 278
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-074-Q1-K6-G11

<400> 10080

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ggcggccaaa atttttccat ccttagetcc ttgctctttc tgctgtgttg ctaacgcgac 60
catttttccct caatactcac aagctcctat agctgccctt cttcccccat accttccatc 120
aatgaccgct tcaggggggg gggggcaaac ccancancct tctaccaaca acacatcatt 180
ggcgggtgcc tcttttaaatt tgcttattag ttgtaattca ataatgaagt tttttggctg 240
atgtatgtgg cctcctagaa ataagaagtt acatttcc 278
```

<210> 10081
 <211> 625
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-G12

<400> 10081

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tatgagcaag aggacagttg aacttcactg gggtaagcac catcaagatt acgtgggggg 180
gtgggataat cagctggcta ccagccctct gtatggatac actctggagg atctgataaa 240
agaagcttat aacaatggca atccattacc agagtataac aacgcagcac agccaatcat 300
cagcctagac ttgtgggagc acgcttacta cttagactac aaggatgata agctaacata 360
tgtcaciaaac tttatggacc atcttgtctc ttggcatact gtcactctac gcatgatgcg 420
tgcagagtct tttgtgaacc ttggtgagcc aaatatccca gaggcttgag ctacaaatac 480
accctagtta tcatcatgag gcatttttcg gatacatcgg atcaaactct gctggaggaa 540
ccagagagtt ggaaaatctc atgtctcaca agaaatgctt atcaccceaa tgtcatacac 600
gccaaagataa gctgctagga tttca 625
```

<210> 10082
<211> 537
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-G2

<400> 10082

ccttcagggg ggggggcgtc ggcccttatg agtccgcgtg cgcataaaag cgtggggatt 60
tgcggcagcg atgtgacta cctcaggga naggcgcgtg cgcacttcgt ggtgaaggag 120
ccgatgggtga tcgggcacga gtgcccggnc gtggtcgggg aggtgggcgc cggcgtgacg 180
cacctgtccg tgggcgaccg cgtggcgctg gagccgggcg tcagctgctg gcgctgccgc 240
cactgcaagg gcgggcggta caacctgtgc gaggacatga agttcttcgc caccgcgccg 300
gtgcacggct cgctggcgaa ccagggtgtg caccgcgccg acctgtgctt caagctcccc 360
gacgggggtga gcctggagga gggcgccatg tgcgagccgc tgagcgtggg cgtgcacgcg 420
tgccgncgcg cgggggtggg gcccgagacg ggcgtgctcg tggggggcgc cggcccatc 480
ggcctgggtg cgctgctggc ggcgcgggcc ctccgcgcgc cgcgcgtggg ggtcgtg 537

<210> 10083
<211> 613
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-G3

<400> 10083

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gctccttat 60
gctccttggg tttctgcaa gtgctgtac ggcgaccatt ttcccgcaat gctcgcaagc 120
tcctatagct tcccttcttc ccccgtaact ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caacctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
accttgttc ctccaacaat catcagccct attacatcag ttaccttggg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaactgtg ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaaaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480

tccattcaac caactggcag cattgaactc tcttgccttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 600
 gccgttctac cag 613

<210> 10084

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-G5

<400> 10084

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 ctgcgcgggg ctgcagggt tgtacggcgc tggcgccggc ctgacgacga tgatgggggc 180
 gggcggggctg tacccttacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
 ggcgccttac tacgcgggt gtgggcagac gagcgccatg taccagccgc tccggcaaca 300
 gtgctgccag cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat 360
 gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
 gcagcagcag cagcagctgc tggcagccca ggggtctcaac cccatggcca tgatgatggc 480
 gcagaacatg ccggccatgg gtggactcta ccagtaccag taccagctgc ccagctaccg 540
 caccaacccc tgtggcgtct ccgctgccat tccgc 575

<210> 10085

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-G6

<400> 10085

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 ctcacttgct ccgagtgcga ttattccaca gttcctccct ccagttactt gaatgggctt 180

cgaacaccca gctgtgcaag cctataggct acaacaagcg cttgcggcga gcgtcttaga 240
acaaccaatt gcccaattac aacaacaatc ctttagcacat ctaaccatac aaaccatcgc 300
aacgcagcag caacaagcac tgagccacct agccgtggtg aaccctatcg cctacttgca 360
acaacagctg cttgcatcca acccaattgc tttggcaaac gtagctgcat accaacaaca 420
acaacagttg caacagtttc tgccagcgct cagtcaacta gccatggtga accctatcgc 480
ctacctaaa cagcaacaac ttctttcatt tagcccgctc gctatgggca atgcacctac 540
atacctgcaa caacagttgt tgcaacaaca gttgctgcaa caaattgtac cagctcttac 600
tca 603

<210> 10086

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-G9

<400> 10086

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ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt tttttgtctn 120
gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gggggggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggcccccttt aaaggaccaa attttacttc 300
ccgggggtttg caaggtaaaa tttttttttt gggggcccca aaata 345

<210> 10087

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H2

<400> 10087

ggcgcgctgn ccaccttcgc cgcggggggg ggggggggnag nageganccg cgcacccgcc 60
gcgnggccgg ngccgctggc gcccgcgccc gcgtcgctcg agaaggcgct gctgcagttc 120

gaggacacgg ggcggctgtt cgcgggggag cgcacncccg cncnctnctn cagggggggg 180
 ggggcgggan cncntccct gggccccctg gtggacgagg cactgaggc gctgaggctg 240
 ccggcgggtg ccggcagcgc gctgggcccgg gccgccccca gggccaccgc gtaccgcac 300
 ttcttcgagg gcgagacccc cggcgaagcc ctgcggccc ngcgcccgct gtggcgggc 360
 ggcatgggag gggctctccc ctaccggatc ccagaccccc nngaccngg cgcgtgcgac 420
 cgtaaccc 428

<210> 10088

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H3

<400> 10088

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 cctccttgag cttcttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
 ctcaattgct cctagtgcga ttataccaca gttcctccga ccagttactt caatgggggg 180
 ggaacaccta gctgtgcaag cctacaggct acaacaagcg cttgcggcga gcgtcttaca 240
 acaaccaatt aaccaattgc aacaacaatc cttggcacat ctaaccatac aaaccatcgc 300
 aacacaacag caacaacagt tctaccagc actgagccaa ctagatgtgg tgaacctgt 360
 cgctacttg caacagcagg tgcttgcatc caaccactt gctctggcaa acgtagctgc 420
 ataccaaaa caacaacaat tgcaacagtt tctgccagcg ctcagtcaac tagccatgg 480
 gaacctgcc gcctacctac aacagcaaca actgctttca tctagccctc tcgttggtgg 540
 taatgcacct acatacctgc aacaacaatt gctgcaacag attgtaccag ctctgactca 600
 gctagctgtg gc 612

<210> 10089

<211> 617

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-H4

<400> 10089

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 aaacccccga tgtcgtccac cagttctaca gcgaagccag caccatggtc cgcgtcgacg 180
 acctcaccgg ggcggggggg gctgccaaca acatgatgga catacactca ctcatcatgt 240
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 ttatccagat gttcttctct gccctcaag agaagggtta ctttgtctc aacgattact 420
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 agagcaattt ggcacccaac acagttgttg agaccgctcc tgagtacgtt cagcaggaag 540
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 cacaacagca agtagtg 617

<210> 10090

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-074-Q1-K6-H5

<400> 10090

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 tccttttctt ccccaactac ctctcaacan cggggggggg gagtgggtgt gaaaacccaa 180
 ttcttcaacc ctacaggatc caacaggcaa tgcagcagg catcttacct ttatcacct 240
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 aaaacatcaa ggcacaacaa ctacaacaac ttgtgctagg aaaccttgc gcctactctc 360
 agcaacagca gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc 420
 aacaacaact accattcaat caactagctg ctgectacc ccaccaattt cttccattca 480
 accaactggc aacattgaac tctgctgctt attta 515

<210> 10091

<211> 205
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-H6

<400> 10091

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gtctgatggt tgtggcttcc cagaataaga aagtcatttc taaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gggcgcgccc gttttgaggg ggggtg 205

<210> 10092
<211> 606
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-074-Q1-K6-H7

<400> 10092

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acttgctcct agtgccatta ttccacagtt cctcccacca gttacttcaa tgggctgggg 180
gcgcggagct gtgcaagcca acatgcaaca acaagcgctt gcggcgagcg tcttacaaca 240
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ccagcaacaa caacagctac aacagtttct gccaacgctc agtcaactag ccatggtgaa 480
coctgccgcc tacgtacaac aacaacaact gctttcatct agcccgtcgc ctgtgggcaa 540
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agctgt 606

<210> 10093
<211> 607
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-074-Q1-K6-H9

<400> 10093

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caatgctcac ttgctcctag tgccattatt ccacagttcc tccctgcagg ggctgcatgg 180
gcttcgaaca cccagctgtg caagcctaca ggctacaaca agcgcttgcg gcgagcgctc 240
tacaacaacc aattgcccaa ttacaacaac aatccttggc acatctaacc atacaaacca 300
tcgcaacgca acagcaacaa caattttctac cagcactgag ccaactagct gtggtgaacc 360
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ttgcatacca acaacaacaa caattgcaac agttttctacc agcgctcagt caactagcca 480
tgggtgaacc tgccgcctac ctacaacagc aacaactgat ttcatttagc cctctcgctg 540
tggttaatgc acctacatac ctgcaacaac agttgctgca acanattgta ccagctctga 600
ctcagct 607

<210> 10094

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-A1

<400> 10094

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cggctgccag cgccagcgcc gggacctcct gcgtgccggg gtggggccatc ccgcacaacc 180
ggctgccgag ctgccgctgg tacgtgacca gccggacctg cggcatcggg ccgcgcctcc 240
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ccacctcgt cagggaggcc gagtgaacc tggccaccat cagcggcgct gccgaatgcc 480
cctggattct cggcgggcga acgatgccct ccaagtaact gcgaagagca tagtgcatga 540

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574

<210> 10095

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A10

<400> 10095

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tgcgctgtat gattttgatt ttgttactgg ggagaatgtg cangaaaagc aagatttggg 180
gggtgggctg gtcccatcg acatcccgca tacgtgctaa gatgctgtac tccacgtcga 240
aggaccgcat caagtacgag cttagcgggt tccactacga aatccaggcg accgacccat 300
cggaggtgga catcgaggtt ctccgggagc gggctcactg aagctgggtc tccttttgaa 360
gggacctgtg gagggccgtg aaccttcagc cagatgcaaa ttcaattgtc aacgatgaag 420
ctcccgccgt ggtgtttgtt aataagttcc tgtaagcgta tcatttagtc gctatgcatg 480
atactagctg gtgaagcgct atctaagctg taaacgaagc aagatttgca aacttgttat 540
attgtggnat tgatgatact ggattactgg ctggggggtt 579

<210> 10096

<211> 565

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A11

<400> 10096

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ctacggctcg ccacagtgcc acgcgcttca gcagcagtgc tgccaccaga tcaagcaggg 180
gggggggggtg caccntacc aagcgacata cgggtgtggc ctgcagtcct tcctgcagca 240
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gatgtgcggt ctgcagctgc agcagccagg tccttgcctt tgcaacgcag ctgccggcgg 360
 tgtctactac tgaggaaact atgtactgta gtaataatgt aatggagccg ctgactagct 420
 acctataggg ctatagctag ttactctgtt tagcggcgat gagtaacgga gtgtcaccca 480
 tcaccatggg tggcagtgtg agcaatgacc tgaatgaacc attgaaatgg aaaggaataa 540
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<210> 10097

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A2

<400> 10097

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 cggatatgact tctggaatga agcatctaaa cttgctgac tgcaccaccc aaatgttggc 180
 gcgttttatg gtgttgttct tgatggacct gggggatcca ttgccacagt tacagaatat 240
 atggtcaatg gttcacttag gacagctttg ctaaagaatg ccaaaacct cgatcgacgc 300
 aagagattaa ttattgccat ggatacagcc tttggaatgg aataacttgca tagcaaaaac 360
 attgtgcact ttgacttgaa aagtgacaat ttgcttgta atttaagggg ccctcagcgt 420
 ccaatatgca aggttgggtga tcttgggctt tcaaaagtga aatgtcagac cctcatctct 480
 ggaggtgtcc gaggaacact tccatggatg gccccagaac ttctgaatgg tagcagcagc 540
 ttggtctcag aaaagttgat gtattctctt ttgggattgt tctc 584

<210> 10098

<211> 611

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A3

<400> 10098

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 aacccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
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 cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgataca accacagttg 600
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<210> 10099

<211> 517

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A4

<400> 10099

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 ncccnncnc ccccccccc ccccnncnc cccccccnc ccccccccc ccccccnnc 240
 ccccccccc ccccccccc ccccncccc ccccccccc ccccccccc ccccccccc 300
 ccccccccc ccccccccc ccccncccc ccccccccn ncccccccc ccccccccc 360
 cccncccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 420
 ccccccggc ccccgnncc ccccccggc cccccgncc ccccccccc ccccccccc 480
 ccccccccc ccccccccc ccccccgcc ccccccg 517

<210> 10100

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A5

<400> 10100

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atagcttccc ttcttcccc gtacctctca accagcgggtg tcttcngtat gtggagagaa 180
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tatcaccctt gttcctccaa caatcatcag ccttattaca tcagttacct ttgggtgcatt 300
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cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga agtctcctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctggtgtga gccctgctac cttctt 586

<210> 10101

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-A6

<400> 10101

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tgattagctg taatccgcga agtggttgac aggagccagt gtttgcagtg gaactcagtt 480

accaacagat gaatctccac aaaacgttgt gttggcggtc tgtatcttct gaagaatctg 540
atgggtgttg ggctggactt gctatctgtc aaagtactaa tgcggtgttt gtttt 595

<210> 10102
<211> 233
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-A8

<400> 10102

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gctcctatag ctcccttct tccccgtac ctctcaccan ncgtgtcttc ggggtggggg 180
aagcccaatt cttcaaccct acaagatcca acaagcaatc acaggctggc atc 233

<210> 10103
<211> 558
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B1

<400> 10103

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cttccccgt acctctcacc agcgggtgtc tgggtatgtg aaaaccaat tcttcagccc 180
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ctaccattca gccagctacc tgctgcctac cccagcaat ttcttccatt caaccaactg 480
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<210> 10104
 <211> 258
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B12

<400> 10104

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 tacggttgag ttatatcccg tgtatgccat aacaaagcag tcgccgctct gtgggggggg 180
 gggagcgcgtg cctgtcctgt gtctgtttgt acgttgacaa tttgattccg ttgctcaagg 240
 atagaagaat attgatac 258

<210> 10105
 <211> 596
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B2

<400> 10105

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 cctctgatca accaagtagc tctggcaaac ctttctccct actctcagca acaacaattt 240
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 ccatttagcc agctagctac tgectactct cagcaacaac aacttcttcc atttaaccaa 360
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<210> 10106
 <211> 548

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-B3
 <400> 10106

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gatgtatg 548
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<210> 10107
 <211> 563
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-075-Q1-K6-B4
 <400> 10107

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acaacaactt gtgctagcaa accttgctgc ctactctcag caacagcagt ttcttccatt 180
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cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa 480
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<210> 10108
<211> 584
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B5

<400> 10108

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ggaccactgc cgccgctcaa cgccaggtag tcccttcgcc ggcgacgagc acccactagt 180
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gtggggttcag tcacagccaa attttgggat ccagaaggat attggttagca agcgggttatg 480
ttcgttgggc agggacattc atgagaagca agtggaagat tcagtgccac aacctaataa 540
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<210> 10109
<211> 553
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-B9

<400> 10109

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ctgcttattt gcagcaacaa caactactac cattcagcca gctagctgct gcctaccccc 360
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aacaactact accattcagc cagctagctg ctgtgagccc tgctgccttc ttgacacagc 480
aacatttggt gccgttctac ctgcacactg cgcctaacgt tggcaccctc ttacaactgc 540
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<210> 10110

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C1

<400> 10110

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<210> 10111

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C10

<400> 10111

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cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcgggat 180
 gggaaaaccc aattcttcaa ccctacagga tccaacaggc aatcacagct ggcatcttac 240
 ctttatcacc cttgttccctc caacaatcat cagccctatt acatcagtta cctttgggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
 aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg atacaaccag 600
 agtt 604

<210> 10112
 <211> 586
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-075-Q1-K6-C11
 <400> 10112

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 attgtgcctc ctttactgcc acctgctgga ctggatttgg ctcttcaaaa catgttaacg 120
 tttgcgaaca aagcaatgag accaaacaca gtgaaattct tccgactca atctgctaga 180
 catttcgaag gtggtgactg gaatgaaggt ggatcttgcc aacgtaacca gcccttgctg 240
 tcagaagagg tgggagaatt tttctctttg gacaataaca gcaccaacgt agaggcacgc 300
 ttggtaaacc aacacctggt gaaggctctt gaacagcagt ctagtttttag agttctggac 360
 atcactcgca tgagtgaatt cagagcggat gctcaccctt caacaactgg cggcaaaaag 420
 cacgatgatt gcatgcattg gtgtttgcca ggaccaactg acacatggaa cgatttgcta 480
 gcgtccagtc ttgaagtagt tgagcgctag tctgagaata aaactcaagg gctcacctga 540
 ggaagttacc cctagcttca ctttttcccc catgaatcca cttgta 586

<210> 10113
 <211> 576
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-C2

<400> 10113

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cttgcgcttc ttgccctttt tgtgagcgca acaaatgcgt tcattattcc acaatgctca 120
cttgctccta gtgccattat tccacagttc ctcccaccag ttacttcaat gggcttcgaa 180
cacctagctg tgcaagccaa catgcaacaa caagcgcttg cggcgagcgt cttacaacaa 240
ccaattgccc aattgcaaca acaatccttg ccacatctaa caatacaagc catcacaacg 300
caacagcaac aacagttcct accagcactg agccacctag ccatggtgaa ccctgccgcc 360
tacttgcaag agcagctgct tgcattccaa ccacttgctc tggcgaacgt agttgcaaac 420
cagcaacaac aacagctaca acagtttctg ccaacgctca gtcaactagc catggtgaac 480
cctgccgcct acgtacaaca acaacaactg ctttcatcta gcccgctcgc tgtgggcaat 540
gcacctacat acctgcaaca acaattgttg caacag 576

<210> 10114

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C3

<400> 10114

ctcaccacac agccggccgc cacagcaccg cggtagcag agcagagcgg tgagctgcag 60
agcagggcag ccgaggtcgg tegtctcgt cgtcgtcagc catgagcaag gacaagcacc 120
acaagcacga gcaccacctg cggcgttgct gcgggtgcat ggcgtcgtgc ctctggcgc 180
tggtctcat cgtggccttc gtctcgtggt tgggtgtact ggcgtcgtgc cctcgaagc 240
cgtccttcta cctgcaggac ctgcagctgc gcaggcccat ctgctgggc gaccgctgc 300
tgacggcgtc ggcgcaggtg acgctggcct cccgcaaccc caacgaccgc gtgggcatct 360
tctacaagcg cctggacgtg ttcgtcacct accgcgacga ggccgtgacg gtgcccgtgt 420
ctctgccgcc gcagtaccag ggccaccgcg acttcaccgt ctgggtcccc gtgctgtcgg 480
ccgagtcctg gccggttgcc gctacgtcg ccgacgccat gaagcaggac gtcgccgcgg 540

gcttcgtcgc gctgcaggtc aaggtggacg gccgcgtcaa gtggaaggtc ggcagctggg 600
tctccggc 608

<210> 10115
<211> 605
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-C6

<400> 10115

cagcctagca attagctcat cgactccaga ttgggagaaac tcgacacccat gaagggtgctg 60
atcgttgccc ttgctctcct ggcgctcgt ggcgagcgccg cctccagtac aagcggcggc 120
tgtggctgcc agacaccacc gtttcatcta ccgcctcgt tctatatgcc gcctccgttc 180
tatctgccgc cgcagcagca gccgcagcca tggcaatacc ccaactcaacc accgcagcta 240
agcccgtgcc agcagttcgg atcctgcggc gtcggcagcg tcggcagccc gttcctgggc 300
cagtgcgtcg agttcctgag gcaccagtgc agcccggcgg cgacgcccta cggctcgcca 360
cagtgccagg cgctgcagca gcagtgtgc caccagatca ggcaggtgga gccgctgcac 420
cgggtaccagg cgacatacgg tgtggtcctg cagtccttcc tgcagcagca gccgcagggc 480
gagctcgcgg cgctgatggc ggcccaggta ggcgagcagc tgacggcgat gtgcggtctg 540
cagctgcagc agccaggctc ctgcccttgc aacgcagctg ccggcggtgt ctactactga 600
ggaaa 605

<210> 10116
<211> 584
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C7

<400> 10116

anaaaganag ggngagagga tgatggggcg gacgagcgtg gcggcgggcg cggccctgct 60
ggtgctggcg gcgtgcgcgg ctctgccggc gaggacggcg gcgaacaaga tcagcatcaa 120
ctggaagccc aacgtgaact acaccgactg gctgaagcag cacagccct tctacagggg 180
ggactggctg gtgttctact acacggcggg gcaggcggac gtggtgcagg tggacgaggt 240

gggctacaac aagtgcgact ccaccaacgc catctacaac tacagcaagg ggcgcagctt 300
 cgccttccag ctcaacgaga ccaagaccta ctacttcata tgcagctacg gctactgctt 360
 cggcgggatg cgcctcgcca tcaaggccga gaagctgccg ccgcccgcgc cgcccgcgctc 420
 cgccagcgac cgctccgccc ccgccatcgc cgccttcgcc aggtcccacg cgcccgtcat 480
 ctacgccgcc atcgccgtgc tcgcgcgcgt cctcaggatg gtctagctgg gaagaatcta 540
 cccgcgggcc ccttcgttgg ttogaattgg gactcctttt tttt 584

<210> 10117

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C8

<400> 10117

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 caccaaaaca tcaggggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 120
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 180
 tttgcaacaa caacaactac cattcagcca gctacctgct gacctacccc agcaatttct 240
 tccattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 300
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 360
 gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactgc aacaattgct 420
 gccattcaac caacttgctt tgacaaaacc agcagcgctt taccaacaac ccatcattgg 480
 tgggtgcctc ttttagattt cttatgagtt atagttcaat aataaagttt tttgtctgaa 540
 aaanaaaaaa aaaaaanaaa aaaanaaaaa annaaaaa 578

<210> 10118

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-C9

<400> 10118

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 naagtgtga tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca 120
 agcggcggct gtggctgcc aacaccaccg tttcatctac cgctccggt ctatatgccg 180
 cctccgttct atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca 240
 ccgcagctaa gcccggtgcc gcagttcgga tcctgcgggc tcggcagcgt cggcagcccc 300
 ttcctggggc agtgcgtcga gttcctgagg caccagtgc gcccgggcgc gacgccctac 360
 ggctcgccac agtgccaggc gctgcagcag cagtgcgtgc accagatcag gcaggtggag 420
 ccgctgcacc ggtaccaggc gacatacggg gtggctcctg agtccttct gcagcagcag 480
 ccgcagggcg agctcgcggc gctgatggcg gccaggttag cgcagcagct gacggcgatg 540
 tgcgggtctg agctgcagca gccaggtccc tgcccttgca acgcagctgc cggcggtgtc 600
 tactactgag gaaact 616

<210> 10119

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D1

<400> 10119

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 tgccgccaaag gacctcctct ccacccccga cggcgcccca accccttcca ccgacggaga 120
 acacaaaaat ggcaaccatg agatggcaga agagccagaa ttaccaggtc atcaggatgc 180
 acctggtgag gctgctaaag aggatggtag cccactgag gaggcgaag aggttgaaga 240
 tgatggtgag cttccagcca tgaagttcag aaactacctt ccccatgatg aacaacttcg 300
 aggaggcaag ctggctccag tgtctcttcc caagtttgaa gacccaatta gtgccgaaac 360
 tgcagagcca aaggaagtgg agaacctttt tggaaacata gcaccaaaga atccaaattg 420
 ggatctgaaa cgtgatgtgc agaagagaat tgataaactg gaaaggcgca cgcagaaagc 480
 gttggctgag attgcattgg aacagcagag ggagaaggaa gccttgagg aatctcaaga 540
 ttgaccgacc tgtataagtg accagtgact catgctggtt ggtccctcga gcagacgtca 600

ttatctt

607

<210> 10120

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D10

<400> 10120

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ggaagtttta agatttcttc tctccaatgc tagatgggtg ctcgaggaat ataagtttga 120
tggtttccgt tttgatgggtg tgacctccat gatgtacact catcacggat tacaagtaac 180
gttgacgggg aacttcaatg agtatttttg ctttgccacc gatgtagatg cagtggttta 240
cttgatgctg gtaaatgac taattcatgg actttatcct gaggctgtaa ccattgggtga 300
agatgttagt ggaatgccta catttgccct tctgttcac gatgggtggg taggttttga 360
ctatcggatg catatggctg tggctgacaa atggattgac cttctcaagc aaagtgatga 420
aacttggaag atgggtgata ttgtgcacac actgacaaat aggaggtggg tagagaagtg 480
tgtaacttat gctgaaagtc atgatcaagc attagtcggc gacaagacta ttgcgttttg 540
gttgatggac aaggatatgt atgatttcat ggccctcgat agaccttcaa ctctaccat 600
tgatcgtggg atagc 615

<210> 10121

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D11

<400> 10121

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gacgggtgacg accaccgcgc gagegcgcgc gnaactcccta ctgcacagg tgctcggcc 120
ttcgtcgtgc tctcccccg caacgagtat agacagggcc ccatggggcg gggggggggc 180
tgtnaccccg nnaaggtecc acccttcggg catgggtgcc tcacccgaaa cgctcgacga 240
gatgggtctc aacggcacc tcagcccgga gctcgtatc caggctctcg tccagttcga 300

caagtcctatg acggatgctc tggagaacca agtgaagagc aaggttactg tcaagggtea 360
cctgcacacc tacaggttct gtgacaacgt gtggaccttc atcttgacag acgcaagctt 420
caagaatgag gaggccacgg agcacgtggg caagggtgaag attgtggcat gtgattccaa 480
attgctcggg caataggcct gtgtaccctc naggtcaagg aaggaagctt ttaagtgcgg 540
cgaggcgggg t 551

<210> 10122

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-D2

<400> 10122

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ggaggtcagn ccgggagagc gccccgacgc cggcgccggg ggagatcggc gtcgatcctg 120
agctcgacga attcatggac gcttactgcc ggggtgctggt gcgctacaag ggaggagctg 180
acccggccgt tcgacgaggc cgcgtcgttc ctgagcagca ttcaggcgca gctcaacgac 240
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tcctctgagg atgagcaatg ctcaggggac actgatgtgc cagacatggg gcaagaacat 360
agctctcact tatgtgacca cgagctcaag gagatgcttc ttaagaagta cagtggatgc 420
ctcagccgtc ttcgttcaga gttcctgaag aagcgggaaga aagggaagct accgaaggat 480
gctcggacgg tgttactaga gtgggtggaac acgcactacc gctggcetta tcc 533

<210> 10123

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D4

<400> 10123

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ttgcaagcat aggaacaggc ggtaccatta gtggcactgg gcgttacttt gaaaaggatg 120

aacaaagata ttaaggttat tggggtagaa cctgctgaaa ctagtgtgat ttctgggtgat 180
agccctgggt acattccaag tatattagat gtgcagttga ttgatgaggt tgtgaagggt 240
agcacagcag aagccgttga ttctgcaagg gaacttgctc taaaagaggg cctgctgggt 300
ggattttcct ctgggtgctgc agcgattgct gctatcaatg ttggcaaaaag acctgaaaaat 360
gctggaaagt tgattgcggt cattttcccc agctttggag agagatacat ctccaccatt 420
ctgttcctgc cgatatatga ctctgttcga agaagtagga agagatagcg agccttgtag 480
tacttcaagc gcgttgccag tccccttctc tagacctgac aggcttccat gacatgattg 540
ataaacgtga agcagtgaag accctgtttg attgcaactt caggggtccga agttttgaag 600
c 601

<210> 10124
<211> 533
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-D5

<400> 10124

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ctgcagcggc agctagaggc ggcgcagagc gcgaggtcca gcgtgcgcct gtcggagcgg 120
aagtgggtgga gttggtgcgg aagctgcagg agcgaggcat catcgatttc gagcgggtgc 180
acaccgtctc cggcaaggag tacatcacat ccgaccattt gaagcatgag attaagatgg 240
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tttaccatgt tgagaggcag tcacagaagg gcgtctccga tgatcccact ctaatgctga 360
taaattggcg gatcatgtca caatcttact gggacaccgt gacggaagag ataaatgaga 420
agcttcagga gcgcagtcag attgccttgg cagagattgc tgcccagtta catattggat 480
ccgagcttgt catcagtatc ctcgagccgc ggcttggaac tattgtgaaa gga 533

<210> 10125
<211> 604
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-075-Q1-K6-D7

<400> 10125

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atattagccc tccttgcgct tcttgccctt tttgtgagcg caacaaatgc gttcattatt 120
ccacaatgct cacttgctcc tagtgccatt ataccacagt tcctccgacc agttacttca 180
atgggcttcg aacacctagc tgtgcaagcc tacaagctac aacaagcgct tgcggcgagc 240
gtcttacaac aaccaattaa ccaattgcaa caacaatcct tggcacatct aaccatacaa 300
accatcgcaa cacaacagca acaacagttc ctaccagcac tgagccaact agatgtgggtg 360
aaccctgtcg cctacttgca acagcagggtg cttgcatcca acccacttgc tctggcaaac 420
gtagctgcat accaacaaca acaacaattg caacagtttc tgccagcgct cagtcaacta 480
gccatgggtga accctgccgc ctacctacaa cagcaacaac tgctttcatc tagccctctc 540
gttgtgggta atgcacctac atacctgcaa caacaattgc tgcaacagat tgtaccagct 600
ctga 604

<210> 10126

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-D8

<400> 10126

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cagctttgct tcaactaaga gagttggcac atgctctgag gttcttggca tctgtgggtg 120
cacaaagctt catagcgttt ggtgatattc ttgagttcac aaggaagggg gtgaactctc 180
tggtgggtatt aacaggatat ttgagcttga ggagcttcta caggcatcac aaagcaatcc 240
tgtcatgect tctgatgcca caaatgccg tccgaagaa ataatttcct tccgtggcgt 300
gaacattgtg acaccatcgc aaaagctatt ggctagccaa ctgtcttgtg atgtatctca 360
agggaaaagc cttcttgtga ctgggtccaaa tggtagcgga aagagttcca tctttatggg 420
gcttcgaggc ttgtggccca ttgcttctgg tagtcttagc aagccatctg aaggaatttt 480
taatgttcct caacgtccat atacttgtct tggaaccttg agggga 525

<210> 10127
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-E1

<400> 10127

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caggcaggtg gagccgcagc accggtacca ggcgatcttc ggcttgggtcc tccagtccat 120
cctgcagcag cagccgcaaa gcggccaggt cgcggggctg ttggcggcgc agatagcgca 180
gcaactgacg gcgatgtgcg gcctgcagca gccgactcca tgcccctacg ctgctgccgg 240
cgggtgtcccc cactgaagaa actatgtgct gtagtatagc cgctggctag ctagctagtt 300
gagtcattta gcggcgatga ttgagtaata atgtgtcacg catcaccatg ggtggcagtg 360
tcagtgtgag caatgacctg aatgaacaat tgaaatgaaa agaaaaaaag tactccatct 420
gttcc 425

<210> 10128
<211> 589
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-E10

<400> 10128

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cgaccaagat actttccctc cttatgctcc ttgctctttc tgcagtgtgt gctaacgcga 120
caattttccc tcaatgctca caagctccta tagcttccct tcttccccca taccttgcac 180
gggggggggc ttcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa 240
tcgcagcaag caacatacct ttatcacctt tgtttcaaca atcgccagcc ctatctttgg 300
tgcagtcatt ggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga 360
tcaaccaagt agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat 420
tcaaccaact atctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg 540

caactgaacct cgctgcttat ttgcagcagc aaatattact accattttac

589

<210> 10129

<211> 203

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E11

<400> 10129

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aataatcaat atattgattg acattttactc tcgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaatta aaaaaaaaaa 180

agggggggggg ggggtttaaag aac 203

<210> 10130

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-E12

<400> 10130

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ggttcacctg ccacctccgg tgcattctcc accgccggtc cacctgccgc cggcgtgcgg 180

gggccaccgc cgggtccatgt gccgccgcgc gttcatctgc cgccgccacc atgccactac 240

cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 300

ccgcatccaa gcccgtgcca gctgcaggga acctgcggcg ttggcagcac cccgatcctg 360

ggccagtgcg tcgagttcct gaggcattcag tgcagcccga cggcgacgcc ctactgctcg 420

cctcagtgcc agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag 480

caccggtacc aggcgatctt cggcttggtc ctccagtcca tcttgagca gcagccgcaa 540

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<210> 10131

<211> 589

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-E3

<400> 10131

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cttccttatg ctccttgggc tttctgcaag tgttgctacc gcaaccattt tcccacaatg 120
ctcacaagct cctatagctt cccttcttcc ccatacctc tcaccagcgg tgtcttcaat 180
gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt tacctttggg 300
ccatttgggtg gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct 360
tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgect acccccagca 480
atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgatgt gagccctgct gccttcttg 589

<210> 10132
<211> 600
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-E6

<400> 10132

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg gcactttact 240
tttatcacc' ttgttctctc aacaatcatc agccctatta catcagttac ctttgggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480

atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540

actactacca ttcagccagc tagctggtgt gagccctgct accttcttga tacaaccaca 600

<210> 10133

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E7

<400> 10133

anaggatcgt cgacagaaca gcatgagggga gggcatcggt ctcgtcgtgt gcctggctct 60

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gtacggcgct ggcgccggcc tgacgacgat gatgggcgcc ggcgggctgt acccctacgc 180

ggagtacctg aggcagccgc agtgcagccc gctggcgggc gcgccctact acgccgggtg 240

tgggcagccg agcgccatgt tccagccgct cgggcaacag tgctgccagc agcagatgag 300

gatgatggac gtgcagtccg tcgcgcagca gctgcagatg atgatgcagc ttgagcgtgc 360

cgctgccgcc agcagcagcc tgtacgagcc agctctgatg cagcagcagc agcagctgct 420

ggcagcccag ggtctcaacc ccatggccat gatgatggcg cagaacatgc cggccatggg 480

tggactctac cagtaccagc tgcccagcta ccgcaccaac ccctgtggcg tctccgctgc 540

cattccgccc tactactgat tcatgatatt tgggaaata 579

<210> 10134

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-E9

<400> 10134

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aggcaaggat cggagttgct ctgaattgac tgaaccatgg cggcgacaat ggagtgacg 120

acgatggtga ccaggagcaa ggagagctgg tcgtcattgc aggtcccggc ggtggcattc 180

ccttgaagc cagcagggcg tggcaagacc ggcggcctcg agttccctcg ccgggcgatg 240

ttcgccagcg tcggcctcaa cgtgtgcccc ggcggtccccg cggggcgcgga cccgcgggag 300
 cccgatccca aggtcgtacg ggccgcccac aactgcgaca tcgcgcgcca gcttggcgcc 360
 gccgttcccc ggcagcaggc cgcttgggag gcggaggaag aggcagcgaa gaggaggaag 420
 cagaagggcg gcggcagcaa gaagcagcag cagctgggcg atctgagcct.gaggaaggctc 480
 aggggtcaaga tcgccaaccc gcacctgcgg cgcttgggta gcggcgccat cgccggcgcc 540
 gtgtccagga cgttcgtggc gccgctggag acgatccgga cgcacttgat ggtcggca 598

<210> 10135

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F1

<400> 10135

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 cctctcttgc gcttcttgcg ctttttgca gcgcaacaaa tgcgtccatt attccacaat 120
 gctcaattgc tcttagttcc attattccac agttcctccc accagttact tcaatggcct 180
 tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg agcgtcttac 240
 aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
 caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
 tcgctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagtgtg 420
 caaaccagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
 tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctcgctgtgg 540
 ccaatgcacc tacatactg caacaagaat tgttgcaaca a 581

<210> 10136

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F11

<400> 10136

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 ccttatgctc cttgggtctt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
 acaactccta agcttccctt cttccccctc ctctcaccaa ggtgtcttcg gtaggggagg 180
 gcccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
 cacccttgtt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
 atttgaaca acaacaacta ccattcagcc agctatctgc tgcctacccc cagcaatttc 480
 ttccattcaa ccaactgaca gcattgaact ctctgctta ttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgctacctt 580

<210> 10137
 <211> 474
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-F12
 <400> 10137

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 gggggtgaaa tcgtcgttca acatgatgtc tcatcatgcg tgggaggtgg agaagagggc 180
 ggtgggccag antttgagaa ggtgcatttc ttgaagaagg tcagatagca ttgcgaattc 240
 tgtttccgtg gtggacgac tttcgttatt gagaggagtg atagtttgaa gttttgtttc 300
 ctttatcatg aactgtttgt cttgtatatt ggtcatattt ttttgtgcct aatacattgg 360
 atgcaattgg catcttgaat ttcaaaaaaa aaaaaaaaaa aaaaaaaaaa caactaaaaa 420
 aaaaaaaacc ctctaaaaat actaaaaaaa aaaaacaaca aaaaaaata aaaa 474

<210> 10138
 <211> 578
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-F2

<400> 10138

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gattccggag cgtgccaaat tctgtacatc acaacaatga gatagagtct gattctccac 120
ctcacgtctg tgagatagaa agtgtgaaaa gcaaccaaga agggtagcaa tcttcggatg 180
gtcgtgcttt cccaagaca agatctgagc gaagcattga ccaatgggta ttgcaaagt 240
caaaatctga agaaagcatg gatcagtggg ctgaaatacc ttcagatgtg gaatccttca 300
gagaaggtaa aaggtacctc agtagcgagg agctgagtga cgttgatagt gccaacgttg 360
ttgtcatgga caaatacatg gattcactcc tctctgaccg gaggaacctt ccctacgcta 420
gctcctcggg gcgccgggat tcagtcagac gaaaacctgc ttcgtccgcc gattacagcc 480
gccgacctcc gcagccaact ccacctgcat cgctgtcaaa gaaggaatcg tgggatgtca 540
ttgaagattc ggagttcgat atacttgaca gttagtaa 578

<210> 10139

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-F4

<400> 10139

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gggcgggcgg aggagtcgga cgggcagagg gagatggcgg cggaggaggg ggccatggcg 180
gcgacgagga tgcttgcgga ggggcacctg cgggtggcca ccggcggggg cgcgccggcg 240
gacggcggga tcgccgtcag acacctcccg caacctctt acaactacaa caattgttgc 300
cctttgtcca acttgctttg acaaaccag cagcctccta ccaacaacac atcattgggtg 360
gtgccctctt ttagattgct tattagttgt aattcaataa taaagttttt tggatgatgt 420
atgtggccaa ccagaaataa gaagttacat ttcc 454

<210> 10140

<211> 570
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-F5

<400> 10140

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gtgcagtgac acagtgagct cagtaagcca gccaaagttca gaattcanaa gnagcgagcg 60
agcaggagga ggacaggag tatggcgacac taccagcagg gaggcggcag caagtggacg 120
agtacggcaa cccggtccct gggggccacg gtgtccaggg ccagcagctg ggtgaagccg 180
ccggcgggta cggcgctcgca ggcaccggca gctacggcgg ccagcagcag gccgggtatg 240
gccccacggg caccggcacg catgaagccg ggggctacga cggctcggac catccggggtt 300
acggggctac cggaacgggc gtcgacgacg ccggtggccc aggtgcgtat ggagcagcca 360
cgggcacgag agccacggc acgcacggcg gcgtgaccgg gatccaggac ggcgccgccg 420
gcctcaccgg tgggtgtctg catggcgcaa caggcatggg gacgactacc ggtactggcg 480
cgcacggtgc caccggaatg ctcgacacgg gggctctggg cggcggaggg cacgcggcca 540
ccggcatgcc cgccggccac ggcacgcgctc 570
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<210> 10141
 <211> 574
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-F8

<400> 10141

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aagctttgga catcattgag acagctgggg gttcatttca cttgggttaga tgtgaagttg 120
gacaaagcac ggatgatatg tcatactcag agcttgaagt aggagcagat gatactggca 180
cattggataa aattattgat tccttgactt ctttagctaa tgaacatggg ggagatcacg 240
atgccgggca agaaattgaa ttagctctga agataggaaa agtcaatgag tatgaaactg 300
acgtcacaat tgataaagga gggccaaaga ttttaattct tggagctgga agagtctgtc 360
ggccagctgc tgagtttctg gcatcttacc cagacatatg tacctatggg gttgatgacc 420
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atgatgcaga tcaaattcat gttatcgtgg catctttgta tcaaaaagat gcagaagaga 480
 cagttgatgg tattgaaaat acaactgcta cccagcttga tgttgctgat attggaagcc 540
 tttcagatct tgtttctcag gttgaggttg taat 574

<210> 10142
 <211> 617
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-075-Q1-K6-F9

<400> 10142
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 cgcttttatg taagaatgca aaagtagtag ctaggaaatt gggatccaaa tgcaaggagg 180
 acaagacctg catttgggtt ccaaagacta ttgtgactaa cttttagga cccaacaaga 240
 gttgggtacc taaaacccaa gcctaatttg ccttgcaggt ttatgcatcc gggggctcaa 300
 gctggattat cgacaacgga tgcacaaacc acatgacggg ggagaagaag attttcacct 360
 cctacatcaa gaacaaggat tcctaggata caattatctt tggatatggg aaccaaggca 420
 aggttaaagg cttgggcaag atagccatca acaacaagca ctccatttca aacgtgtttt 480
 tagtagagtc aattggttac aacctcctgt ctgtaagtca attgtgccac atgggctaca 540
 attgtttgtt taaaaatatt gatgtttatg tctttagaag gagtgacggt tcattagcat 600
 ttaagggtgt attagat 617

<210> 10143
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-G1

<400> 10143
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 gctgcgagcg ccacctccac gcatacaagc ggcggctgcy gctgccagcc accgccgccg 120
 gttcatctac cgccgccggt gcatctgcca cctccggttc acctgccacc tccggtgcac 180

gtgccaccgc cgggtccacct gccgccgccg gtccacctgc caccgccggt ccatgtgccg 240
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 cctcatcccc agccacaccc atgcccgtgc caacagccgc atccaagccc gtgccagctg 360
 cagggaaacct gcggcggttg cagcaccgcc atcctgggcc agtgcgtcga gtttctgagg 420
 catcagtga gcccgacggc gacgccttac tgctgcctc agtgccagtc gttgcggcag 480
 cagtgttgcc agcagctcag gcagggtggag ccgcagcacc ggtaccaggc gatcttcggc 540
 ttggtcctcc agtccatcct gcagcagcag ccgcaaagcg gccag 585

<210> 10144

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-G10

<400> 10144

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 cggttctgtt ccgtgccgct gtcgttaagg gacgcaccga ggaggggagc ttcggcctgg 120
 ccttgccctg ccggctgctt gtcggcgccg tgctggtgtg cgttcttgtc tgtggcagtg 180
 ggggtgggact gctcgtgcag agtgtcttct actacgcctg caaggccttc cacagccagc 240
 agattgaccg cactgcattg tatgagcacc ttggaggcta ccttggggag tacgtgccac 300
 tcaagagcaa tatccagatg gagaaccttt gagagttgga gcataggaca agggtaatct 360
 tctcacctct cgttgctaca tactagcagt tttctatgga tctttctcga aagatgacta 420
 tggtttactt ggagctatat atctggtctt gttgattcta atatcctgta gtagtttagt 480
 ttagaatctg tacaagtga aatgcgcagt atggaaccaa tctacgaaat ggaacgtaga 540
 tgcataaaca aggttgtctt tcgtctc 567

<210> 10145

<211> 554

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-G12

<400> 10145

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ggagcgccaa catgggagaa gatcatgcag ggcagacgc tgcggactc gagcaancag 120
gCGTgcgtgg gcggcaagag ggtgctggag atcaaccca ggcaccccat catcaaggag 180
ctccgcgaca aggtcgccca ggacaacgag agcgaggagc tgaagcagac ggcgaggctg 240
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tccagcatct acaagtcggt gcacaagagc ctggacctga gcccncacgc ggccgtggag 360
gaggaggacg aggccgnaga gcagccggag gtggaagaga aggagccggc ggccaaggag 420
gggtcggagc cgtccttcna caaggacgag ctgtagtcgg cgtgcgttgg tctcgtcttc 480
gggatctgtt ttgaagtcta gctgtagctc ccgtttagtt gagatatcgg ggagctccac 540
tcaactgccag gtgc 554

<210> 10146

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-G3

<400> 10146

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aggcatctta ccattatcac ccttgttcct ccaacaaccg tcagccctat tacagcagtt 180
acctttggtc catttggtgg cacaaaacat cagggcacaa caactacaac aacttgtgct 240
agcaaaccctt gctgcatact ctgagcaaca tcagtttctt ccattcaacc aactggctgc 300
attgaactct gctgcttatt tgcaacaaca attaccattc agccagctag ttgctgccta 360
ccccagcaa tttcttccat tcaaccaact agcagcattg aactctgctg cttatttaca 420
gcagcaacaa ctactaccat tcagccagct agctgatgtg agccctgctg cttcttga 480
acaacaacag ttgttgccgt tctacctgca cgctatgcct aacgctggca cctcttaca 540
actgcaacaa ttgctgccat tcaaccaact tgctttgaca aactcaacag tgttctacca 600
acaacccatc attg 614

<210> 10147
<211> 586
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-075-Q1-K6-G4

<400> 10147

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aattatccct ccttgcgctt cttgcgcttt ttgcgagcgc aacaaatgcg ttcattattc 120
cacaatgctc acttgctcca agttccatta ttacacagtt cctcccacca gttacttggg 180
ggggcttcga acaccagct gtgcaagcct ataggctaca acaagcaatt gcggcgagcg 240
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ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agcccgctcg 540
ctgtggccaa tgcacctaca tacctgcaac aacaattggt gcaaca 586

<210> 10148
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-G7

<400> 10148

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gctcacttgc tcctagtgcc attattccac agttcctccc accagttact tcaatgggcy 180
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caacaaccaa ttgccaatt gcaacaacaa tccttggcac atctaaccct acaaaccatt 300
gcaacgcaac aacaacaaca acaacagttt ctgccatcac tgagccacct agccgtggty 360

aaccctgtca cctacttgca acagcagctg cttgcatcca acccacttgc tctggcgaac 420
 gtagctgcat accagcaaca acaacagctg caacagttta tgccagtgct cagtcaacta 480
 gccatgggtga accctgccgt ctacctacaa ctactttcat ctagcccgct cgcgggtgggc 540
 aatgcaccta cgtacctaca acaacagttg ctgcaacaaa ttgtacc 587

<210> 10149
 <211> 538
 <212> DNA
 <213> Zea mays

<223> unsure, at all n locations
 <223> Clone ID: LIB3061-075-Q1-K6-H2

<400> 10149

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 ttcagcaagc gttgctaccg cgactattat tccacaatgc tcacaacaat acctctctcc 120
 ggtgacagcc gcgagatttg aatacccaac tatacaatcc tacaggctac aagaggccat 180
 cgcagcaagc atcttacggt cgttagcatt gaccgtccaa caaccatatg ccctattgca 240
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 gttgcttcca acaatcaatc aagtagttgc agcgaacctt gctgcttacc tccagcaaca 360
 acaatttctt ccattcaatc aactagctgg ggtgaacctt gctgcttact tgcaggcaca 420
 acagctacta ccattcaacc aacttgctcag gagccctgct gccttcttac tgcagcaaca 480
 gttgcttcca ttccatctac aagttgtggc aaacattgct gctttcttgc aacaacaa 538

<210> 10150
 <211> 619
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H3

<400> 10150

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 gccatcactg agccacctag ccgtggtgaa ccctgtcacc tacttgcaac agcagctgct 120
 tgcaccaac ccacttgctc tggcgaacgt agctgcatac cagcaacaac aacagctgcg 180
 gcagtttatg ccagtgtcga gtcaactagc catggtgaac cctgccgtct acctacaact 240

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acagttgctt ccattcaacc aactggctgt gtcaaactct gctgctgacc tacaacagcg 420
acaacagtta cttaatccat tggcagtggc taaccattg gtcgctacct tctgcagca 480
gcaacaacaa ttgctgccat acaaccagtt ctctttgatg aaccctgcct tgcagcaacc 540
catcgttga ggtgccatct tttagattac atatgagatg tactcgacaa tggtgccctc 600
ataccgacat gtgtttcct 619

<210> 10151

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H5

<400> 10151

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gcctccttat gctccttggg ctttctgcaa gtgctgctac ggcgaccatt ttcccacaat 120
gctcacaagc tcctatagct tcccttcttc ccccgctacct ctcaccaacg gtgtgtgggg 180
ggtgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacagcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttgtg ctagcaaacc 360
ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta ttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc 480
agcaatttct tcattcaac caactgacag cattgaactc tcctgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gt 572

<210> 10152

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H6

<400> 10152

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catcagggca caacagctgc agcaactcgt gctacctctg atcaaccaag tagctctggc 120
aaacctttct cctactctc agcaacaaca atttcttcca ttcaaccaac tgtctacact 180
gaaccttgct gcttatttgc agcaacaact attaccattt agccagctag ctactgccta 240
ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcaactgaacc ccgctgctta 300
tttgcagcag caaatactac taccatttag ccagctagct gcagcaaacc gtgcttcctt 360
cttgacacag caacagttgc tgcctttcta ccagcagttt gcggctaacc ccgcaaccct 420
cttacaacta caacaattgt tgcctttgt ccaacttgct ttgacagacc cagcggcctc 480
ctaccaaaaa cacatcattg gtggtgccct ctttttagatt gcttattagt tgtaattcaa 540
taataaagtt ttttggatga tgtatgtggc caaccagaaa taagaagtta catttccaga 600
ttct 604

<210> 10153

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-075-Q1-K6-H7

<400> 10153

gcaagcaaca ttanaaagta gnaatgcatt gggagcgagt agacaacaat ggcgaccaag 60
atattttccc tccttatgct ccttgctctt tctacatgtg ttgctaacgc gacaattttc 120
cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattgtg 180
gggggggggtg tgaaaaccca gctcttcaac catataggct tcaacaagca atcgcagcaa 240
gcaacatacc tttatcgccc ttgttggttc aacaatcacc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcagcaact cgtgctacct gtgatcaacc 360
aagtagctct ggcaaaccct tctccctact ctacgcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tgcagcaaca actattacca tttagccagc 480
tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga 540

accccgtgc ttatttgcag cagcaaatac tactgccatt tag

583

<210> 10154

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H8

<400> 10154

tggccatggc tttggcgtct aaggggtggg ggggcggcat ggaatgccac cgccgccgag 60
cagccaattc caaagcgtga caaagccgct gcaaatgatt caacatacct caatcctcaa 120
gtcatgata gtgttcttgg aatcattctg ggaggtgggt ctgggactag attgtgcggg 180
ggggggaaga agcgtgccaa gcctgcagtg ccattgggtg ccaactatag actgattgat 240
attcctgtca gcaattgtct caacagcaac atatccaaga tctatgtgct aacgcaattt 300
aactctgctt ccctcaaccg tcacctctca agagcctacg ggagcaacat tggagggtac 360
aagaatgaag ggtttgttga agtcttagct gcacagcaga gccagataa tccaaactgg 420
tttcagggtg ctgcagatgc tgtaaggcag tacttgtggt tgtttgagga gcataatgtg 480
atggaatttc taattcttgc tggcgatcac ctgtaccgga tggactatga aaagttcatt 540
caggcacaca gagaaacaaa tgctgatatt accggtt 576

<210> 10155

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-075-Q1-K6-H9

<400> 10155

cttatctgaa atgatactgt tgttgtaaac tatggacagg ggggtgcagg gggaaggttc 60
ttgaactgaa gcctgcctca agtgtatctg tcctagagac agatgttgaa gttgacatcg 120
tgggatcaga ttcggttttg gacaacgaag atgaccaaca tgtgcttgtg cctcttgtaa 180
ttggaaatat aggggggggg ggggtagtac ctgaactttc agttgaagga aatgtgagtg 240
agaaagtagc ttctgggcat gcaaatatcg agattaaaat agatacggac gcgagcgggtg 300
gtgacactga tatctatgtt tcaagacatc ctttagtatt tccaactcag caccgacatg 360

agtgggtcttc tcatgaaatg ggatcgaagg ttcttatact caaaccacgg gatgctacat 420
 tggtcagtgg tgtttacagt attggagttt atggtttcaa agggacttct aagtaccagc 480
 tctctgtagc tatcaaggat gttagtggcc aaaggattgg tgaatatgct agtgccctcg 540
 gaagtgttga ttttgattct gtgctgtgta gaaactgtaa gcgccatata gccagccagt 600
 ctgctcatct tcatgaggca tactgcatg 629

<210> 10156
 <211> 598
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A1

<400> 10156
 caacaacaac aacaacagca acaacaacat caatgtgaag gccacaaca acatcaccaa 60
 caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 120
 catgagcaac aacatcaaca acaattccag ggatcatgaca agcagcaaca accacaacag 180
 cctcagcaat atcagcaggg ccagnaaaa atcacaacag caacaatgtc attgccagga 240
 gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 300
 ttgtcatgaa ttctaaggc agcagtgcag ccctttggta atgccttttc tccaatcacg 360
 tttgatacaa ccaagtagct gccaggattt gcagcaacaa tgttgtcatg atcttaggca 420
 gattgagcca caatacatc accaagcaat ctacaacatg gttcaatcca taatccagga 480
 ggagcaacaa caacaaccat gtgagttatg tggatctcaa caagctactc aaagtgcggt 540
 ggcaatcttg acagcagcac aatacctacc atcaatgtgc ggcttgtacc actcatac 598

<210> 10157
 <211> 606
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-A10

<400> 10157
 ctacctcatc ctcaactcat gggggggggg gggaatcatt ctgggaggtg gtgctgggac 60
 tagattgtac cccttgacaa agaagcgtgc caagcctgca gtgccattgg gtgccaaacta 120

tagactgatt gatattcctg tcagcaattg tctcaacagc aacatatcca aggggggtgg 180
 gctaacgcaa tttaactctg cttccctcaa ccgtcacctc tcaagagcct acgggagcaa 240
 cattggaggg tacaagaatg aagggtttgt tgaagtctta gctgcacagc agagcccaga 300
 taatccaaac tggtttcagg gtactgcaga tgctgtaagg cagtacttgt ggttgtttga 360
 ggagcataat gtgatggaat ttctaattct tgctggcgat cacctgtacc ggatggacta 420
 tgaaaagttc attcaggcac acagagaaac aaatgctgat attaccgttg ctgccctacc 480
 gatggatgag aaacgtgcaa ctgcatttgg cctcatgaaa attgatgaag aaggaggat 540
 cattgagttt gctgagaaac cgaaaggaga gcagttgaaa gcaatgatgg ttgacaccac 600
 catact 606

<210> 10158
 <211> 584
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A11

 <400> 10158

tctgncatca tttctgtatc gcacaggggg ggtggcaaga cattgataag atttttttaa 60
 agctggagag tgaattcgag gaacaatggg ccaatgaagg aatacttga tgggggaata 120
 aaggacaga aaagagtctg aaatagatct cgattactac agcacanttg aagaaggggg 180
 tgggggtggg cccanaaaaa ttaaaacagg ctttancctgc tcgaggtttg aagagtggcg 240
 gtactgttca acagcgtgca gatcgtcttt tcttgttgaa ggttacaccg ttggaacaac 300
 tagataggaa gcattttgcc aaagtccac atactaaaga tggctcaaac acagctccta 360
 atggtaaatgc tttcaaggag gatatgaaga aagaaattgc attgatggaa gtgaagatga 420
 aacgtctttg tgagctgcta gatgaggcct ttgtaaggac aaaggaaaat gcggagaaga 480
 agcttacttt gacatatgaa gagatggaag cagaacggga agaggaggag gtacaagttg 540
 aactgagag tgatgacgaa gagcaacaaa tctacaatcc tctc 584

<210> 10159
 <211> 625
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A12

<400> 10159

atggcttcgc aagctcctat gagggggggg gggggggggc cccaacctaa tcaccannnn : 60
 ttttttcttc ggtatgttga aaaccaatc tcttcacacc ctacagggat ccaacagggc 120
 aatcacagtt tggcatgctt acactttatc atcccttggg tctcttcaac aatcatcacc 180
 toctattaca ttgggggggg gggggggcga catttatttt cacaaaaaca tctatttcac 240
 taacaactac agacaagctt gtggctagtc aaacctctgc tggcctatct ctcagtcata 300
 cagcatgttt ctttctcatt ctaaccaact aggctgcatg tgaactctgc gttcttattt 360
 gcaacaaaca acaactacgc attctagcca ggctaccgtg ctgtcctacc cctcagcaat 420
 tgtcttccat ttcaaccaac gtggctgcag ttgaacttct gctgcttatt tacagcatca 480
 acatctacta ccaaccagcc agctagctgg tgtgagccct gctaccttct tgatacaacc 540
 acagttgggtg tcgttctacc agcacgctgc gcctaacgct ggcacccttt tacaactgca 600
 acatttgctg ctttcaacc aactt 625

<210> 10160
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-076-Q1-K6-A2

<400> 10160

tccgcaactca tgcatacaca acatccttct gtcagtacca tcaatcatca ttcattcttag 60
 tagtataggc accaaatcaa atctgcaaca tcaattatct aactccaaaa accatgaagc 120
 tgggtgcttgt gggtcttctt ttcatgtgct tagtatcaag tgtttcttgt acacagacag 180
 gcgggtgcag ctgtgggtcaa caacaaagcc atgagcagca acatcatcca caacaacatc 240
 atccacaaaa acaacaacat caaccaccac cacaacatca ccagcagcag caacaccaac 300
 aacaacaagt tcacatgcaa ccacaaaaac atcagcaaca acaagaagtt catgttcaac 360
 aacaacaaca acaaccgcag caccaacaac aacaacaaca acaacagcac caacaacaac 420
 atcaatgtga aggccaacaa caacatcacc aacaatcaca aggccatgtg caacaacagc 480

aacagagcca tgagcaacac caaggacaga gccatgagca acaacatcaa caacaattcc 540
 agggtcatga caagcagcaa caaccacaac agcctcagca atatcagca 589

<210> 10161
 <211> 600
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A3

<400> 10161

cgnatacaac atccagnaag gaaagcacc tgcacttggt gctgcgcctc agaggaggca 60
 tgcagatcct cgtgaagacc ctgaccggca agactatcac cctcgaggta gagtcttcag 120
 acaccatcga caacgtcaag gccaagatcc aggacaagga gggcattccc ccagaccagc 180
 aggggggtcat ctttgctggg aagcagcttg aggacgggcg cacgcttgcc gactacaaca 240
 tccagaagga gagcaccctc cacttggtgc tgcgcctcag gggaggcatg cagatcttcg 300
 tgaagaccct gaccggcaag actatcacc ttgagggtga gtcttcagac accatcgaca 360
 acgtcaaggc caagatccag gacaaggagg gcatcccacc ggaccagcag cgtttgatct 420
 tcgctggcaa gcagctggag gatggccgca cccttgcgga ttacaacatc cagaaggaga 480
 gcaccctcca cctgggtgctc cgtctcaggg gtggcatgca gatctttgtg aagacactca 540
 ctggcaagac aatcaccctt gaggtggagt cttcggatac cattgacaat gtcaaggcca 600

<210> 10162
 <211> 593
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-A4

<400> 10162

caactagcaa catagnaaag cacaatagtg tgccaacaat ggcagccaaa aattttgctt 60
 ccttatgctc cttgggtctt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
 acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtg cttcagtatg 180
 tgaaaacca attcttcaac cctacaggat ccaacaggca atcgcagcag gcatcttacc 240

tttatcacc ttgttcctcc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
 tttgttgga caaaacatca aggcacaaca actacaaca cttgtgctag gaaaccttgc 360
 tgccactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc ccagcaatt 480
 tcttcattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aac 593

<210> 10163

<211> 534

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-A5

<400> 10163

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 ggtttcgtgg gtgagcggat cgagaggcgg cgtcggaagt tgagtaccgc tgcttcgtcg 120
 gcggcctcgc ctgggccacg gacgaccact ccctccacaa cgccttcagc acctacgggg 180
 aggggctcgn atccaagatc atcctcgatc gggagacgca gaggtcccgc ggcttcggct 240
 tcgtcacctt ctccacggag gaggcgatgc ggaacgccat cgagggcattg aacggcaagg 300
 agctggacgg ccgcaacatc accgtcaacg aggccagtc ccgcggcggc cgtggaggcg 360
 gcggcgcgcg cgggtacggt ggtggccgtg gaggcggcgg ctacngcggt ggcgggcgcc 420
 gtgatggcgg cggcggttac cgcggtggcg gcggctaccg tgggtggcggc ggcggtacc 480
 gtggtggtgg cggcggttac cgcggtggca accgtggcgg nggctacggc aact 534

<210> 10164

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-A8

<400> 10164

ggtccgatcc ggtcgccac ctccaaggga tccatagcaa caacgggggc ggtggcgacc 60

aagatatattt ccttccttat gctccttgct ctttctgcat gtgttgctaa cgcgacaatt 120
ttccctcaat gtcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg 180
atagcttcag tgtgggaggg ccagctctt cagccctata ggctccaaca agcaatcgca 240
gcaagcaaca tacctttatc acccttggtg tttcaacaat cgcagccct atctttggtg 300
cagtcattgg taaaaacat cagggcacag cagctgcagc aactcgtgct acctgtgatc 360
aaccaagtag ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc 420
aaccaactgt ctacactgaa cctgctgct tatttgagc aacaactatt accattcagc 480
cagctagcta ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
ctgaaccccg ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca 600
gcaaaccgtg ct 612

<210> 10165
<211> 615
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-A9
<400> 10165

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tccttgggtc ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tcgcaagctc 120
ctatagcttc ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc 180
cagggggggg gccctacagg atccaacagg caatcgagc tggcatctta cctttatcac 240
ccttggttct ccaacaatca tcagccctat tacaacagtt acctttggtg catttattgg 300
cacaaaacat cagggcacaa caactacaac aacttggtg agcaaaccct gctgcctact 360
ctcagcaaca gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt 420
tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 480
cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac 540
cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca cagttggtgc 600
cgttctacca gcacg 615

<210> 10166
<211> 578
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B1

<400> 10166

caatacccca ctcaaccacc gcagctaagc ccgtgccagc agttcggatc ctgcggcgctc 60
ggcagcgcgc gcagcccgtt cctgggccag tgcgtcgagt tcctgaggca ccagtgcagc 120
cgggcggcga cgccctacgg ctgcgcacag tgccaggcgc tgcagcagca gtgctgccac 180
cagatcaggc aggtggagcc gctgcaccgg taccaggcga catacgggtg ggtcctgcag 240
tccttcctgc agcagcagcc gcagggcgag ctgcggcgcc tgatggcggc ccaggtagcg 300
cagcagctga cggcgatgtg cggctcgcag ctgcagcagc caggtccttg cccttgcaac 360
gcagctgccg gcggtgtcta ctactgagga aactatgtac tgtagtaata atgtaatgga 420
gccgctgact agctacctat agggctatag ctagtccact cgtttagcgg cgatgagtaa 480
cggagtgtca cccatcacca tgggtggcag tgtgagcaat gacctgaatg aaccattgaa 540
atggaaagga ataatatata gggaaaaagg atgttttg 578

<210> 10167
<211> 612
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-B10

<400> 10167

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ttatcgccct tggtgtttca acaatcacca gccctatctt tggtgcagtc attggtacaa 120
accatcaggg cacaacagct gcagcaactc gtgctacctg tgatcaacca agtagctgtg 180
gcgggacctt tctccctact ctgagcaaca acaatttctt ccattcaacc aactgtctac 240
actgaaccct gctgcttatt tgcagcaaca actattacca tttagccagc tagctactgc 300
ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga accccgctgc 360
ttatttgcag cagcaaatac tactgccatt tagcgagcta gctgcagcaa gtcgtgcttc 420

cttcttgaca cagcaacagt tgctgccttt ctacaagcag tttgcggcta accccgcaac 480
cctcttacia ctacaacaat tgttgccctt tgtccaactt gctttgacaa acccagcagc 540
ctcctaccaa caacacantc attggtggtg ccctctttta gattgattat tagttgtaat 600
tcaataataa aa 612

<210> 10168

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-B11

<400> 10168

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cttgggtcttt ctgcagtgtt gctaccgcaa ccattttccc acaatgctca caagctccta 120
tagcttccct tcttccccca tacctctcac cagcgggtgc ttcaatgtgt gagagcgcg 180
ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg catcttacca ttatcacct 240
tgttctcca acaaccgtca gccctattac agcagttacc tttgggtccat ttggtggcac 300
aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc 360
agcaacatca gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc 420
aacaacaatt accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca 480
accaactagc agcattgaac tctgctgctt atttacagca gcaacaacta ctaccatttc 540
agccagctag ctgatgtgag ccctgctgcc ttcttgacac aacaacagtt gttgc 595

<210> 10169

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-B12

<400> 10169

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atgatcagca tctcgcgcga gagcgctcc tcgggttgc cctgggttcc gtctccatcg 120

g c g g g c t t c g t c c t c c a c c a g c g c c g g g c c a t c t a c c g t t c a a t c g c t n a a g c c g g c g g g g 180
g g g c c t a c t t t t a c c a g c c t g g t g a a a t t g c c a g t c g a a g a a g c t c a a c t g a a c t g g g t c 240
a t g t a t g g a a c a a g g c a g t g g a c g a g a c c c t t g g g c g a c t t g t t g t g t a c c t t a g t t c g c 300
g t g g g t g g t g a t t c a a g c t c c a t g t t g a a c a t g g t a a c c g a g g a a g a c t c t t t t t c a a g c 360
c a c t g a t g t g c t c a t a c t t c c c t g t a c c c g g a t t g a a c a t g t t t t t t t t t t a a a a a a a g 420
a g a t a c t t c c 430

<210> 10170
<211> 590
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-B2

<400> 10170
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t a g c c c t c c t t g c g c t t c t t g c c c t t t t t g t g a g c g c a a c a a a t g c g t t c a t t a t t c c a c 120
a a t g c t c a c t t g c t c c t a g t g c c a t t a t t c c a c a g t t c c t c c c a c c a g t t a c t t c a a t g g 180
g c t t c g a a c a c c t a g c t g t g c a a g c c a a c a t g c a a c a a a a g c g c t t g c g g c g a g c g t c t 240
t a c a a c a a c c a a t t g c c c a a t t g c a a c a a c a a t c c t t g c c a c a t c t a a c a a t a c a a g c c a 300
t c a c a a c g c a a c a g c a a c a a c a g t t c c t a c c a g c a c t g a g c c a c c t a g c c a t g g t g a a c c 360
c t g c c g c c t a c t t g c a a g a g c a g c t g c t t g c a t c c a a c c c a c t t g c t c t g g c g a a c g t a g 420
t t g c a a a c c a g c a a c a a a c a g c t a c a a c a g t t t c t g c c a a c g c t c a g t c a a c t a g c c a 480
t g g t g a a c c c t g c c g c c t a c g t a c a a c a a c a a c a a c t g c t t t c a t c t a g c c c g c t c g c t g 540
t g g g c a a t g c a c c t a c a t a c c t g c a a c a a c a a t t g t t g c a a c a g a t t g t a 590

<210> 10171
<211> 619
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B3

<400> 10171
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gcaagtgctg ctacggcgac cattttccca caatgctcac aagctcctat agcttcctt 120
cttcccccg acctctcacc agcgggtgtct tgggtatgtg aaaaccaat tcttcaaccc 180
tataggatcc aacaggcaat cgcagctggc atcttacctt tatcaccctt gttcctccaa 240
caatcatcag ccctattaca gcagttacct ttggtgcatt tattggcaca aaacatcagg 300
gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca gcaacaacag 360
tttcttccat tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa 420
ctaccattca gccagctatc tgctgcctac cccagcaat ttcttccatt caaccaactg 480
acagctttga actctcctgc ttatttacag cagcaacaac tactaccatt cagccagcta 540
gctgggtgtga gcctgctac cttcttgaca caaccacaat tgggtgccgtt ctaccagcac 600
gctgcgccta acgctggca 619

<210> 10172

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B4

<400> 10172

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agcgcttgcg gcgagcgtct tacaacaacc aattgcccaa ttgcaacaac aatccttgcc 180
acatctaaca atacaagcca tcacaacgca acagcaacaa cagttcctac cagcactgag 240
ccacctagcc atggtgaacc ctgccgccta cttgcaagag cagctgcttg catccaaccc 300
acttgctctg gcgaacgtag ttgcaaacca gcaacaacaa cagctacaac agtttctgcc 360
aacgctcagt caactagcca tgggtgaacc tgccgcctac gtacaacaac aacaactgct 420
ttcatctagc ccgctcgctg tgggcaatgc acctacatac ctgcaacaac aattgttgca 480
acagattgta ccagctctga ctcaactagc tgtggcaaac cctggtgcct acttgcaaca 540
gctgcttcca ttcaaccaac tgactctgtc gaactctgct gcgtacctac aacagcg 597

<210> 10173

<211> 515

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-B5
 <400> 10173

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acagnaaaat cttgtggcta cagatttagg gggcaggggc attgacattg agcgtgtcaa 60
cattgtgata aactatgaca tgccagactc agctgatact tatttgcaca gggttggaag 120
ggctggacgt tttggcacga agggacttgc aatcaccttt gtttcctctg cttcgggggg 180
tgatgttctt aaccaggtgc aagaaagggt tgaggttagac ataaaggaac tgcctgagca 240
aattgacacc tcgacctaca tgccatcata aatgggaagg acaactgaga agagaggagg 300
ataggggagt gagcagccgt ctggagatgg ttaccttga actatccgat ctggaggatt 360
tgatttgect cctttgtgta ctttaaaaag ggcagccagg atgatgatct gtattttaag 420
acaatgctgt ctgtttgggt ttaggatttt gctttgtcga aaactagcac acttattgta 480
ctactgagca gcatatttgt tttcatccct ggggtt 515
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<210> 10174
 <211> 352
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-076-Q1-K6-B7
 <400> 10174

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atattactac catttagcca gctagctgca gcaagccgtg cttccttctt gacacagcaa 120
cagttgctgc ctttctacca gcagtttgcg gctaaccgca caaccctctt acaactacga 180
caggtgggtg ccctttgtcc aacttgcttt gacaaacca gcagcctcct accaacaaca 240
catcattggt ggtgccctct tttagattgc ttattagttg taattcaata ataaagtttt 300
ttggatgatg tatgtggcca accagaaata agaagttaca tttccagatt ct 352
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<210> 10175
 <211> 580
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-B9

<400> 10175

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agtccaagga cagggaggag caggcggagt tcaagaagat gtacagcctc atcgacgagt 180
acaagttgag ggggggtatc cggtggtatc cggcgcagat gaaccgcgtc cgcaacgggg 240
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atggtggccc tgctgagatc atcgtggacg gggatatctgg cctgcacatt gacccttacc 420
acagcgacaa ggccgcggat atcctggtca acttctttga caaatgcaag gcagatccga 480
gctactggga caagatctca cagggcggcc tgcagagaat ttatgagaag tacacctgga 540
agctctactc cgagaggctg atgacctga cgggcgtgta 580

<210> 10176

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C10

<400> 10176

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ccttatgctc cttggtatct ctgcaagtgc tgctacggcg accattttcc cgcaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtgtg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcattcttacc 240
tttatcacc ttgttctctc aacaatcctc agccctatta cagcagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgccctactc cagcaacagc agtttcttcc attcaacca ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgttgct acccccaaca 480
atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600

<210> 10177
 <211> 612
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-C11

<400> 10177

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 cgaanaaccc ccagtcgccc accanacact tgttaaactt tggtgagggg tgatggcggg 120
 ttcttnttcg caaacctcaa cttccgnagg caggggcttt aaaaagcttg atgagtacct 180
 tctcactcgc agctacatca ctggctacca agctggcagg atgacttggc tgtctacact 240
 tcgttttcgg ctgctccctc gtccaagtat atcaacgtag caaggtgggt taaccacatt 300
 gatgcgctcg tgaggctgag cggaattact gcagagggcc aaggtgtgaa ggttgaatcc 360
 tcagcagttc cttcagcccc aactccagat gttgctgaag cacaggcccc agttgctgag 420
 gaggacgacg acgatgatgt tgaccttttt ggtgaggaga ccgaagatga gaagaaggct 480
 gctgaagagc gtgctgcagc tgccaaggct tctggcaaga agaaagaatc tgggaagtca 540
 tcagttttac ttgatgtgaa gccatgggac gatgagactg acatggccaa gctcgaggaa 600
 gctgttagga gt 612

<210> 10178
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-C2

<400> 10178

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 aaaatttttg cttccttatg ctcccttggtc tttctgcaag tggtgctacc ganaccattt 120
 tcccacaatg ctcacaagct cctatagctt cccttcttcc ccatacctc tcaccagcgg 180
 tgtcttcaat gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa 240
 caggcatctt accattatca cccttgttcc tccaacaacc gtcagcccta ttacagcagt 300

tacctttggt ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttgctg 360
tagcaaacct tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg 420
cattgaactc tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct 480
acccccagca atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac 540
agcagcaaca actactacca ttcagccagc tagctgatgt gagccctgct gcctt 595

<210> 10179

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C3

<400> 10179

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aatttttgcc tcattatgct ccttggtctt tctgcaagtg ctgctacggc gagcattttc 120
ccgcaatgct cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgatg 180
tcttcagtat gtgaaaatcc aattcttcta cctacagga tccaacaggc aatcgagca 240
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cctttggtgc atttattggc aaaaaacatc agggcacaac aactacaaca actcgtgcta 360
gcaaaccctg ctgcctactc tcagcaacag cagttacctt tgggtgcattt gttggcacia 420
aacatcaggg cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag 480
caacaacagt ttctgccatt caaccaacta gctgcattga actctgctgc ttatttgag 540
caacaacaac tactaccatt cagccagcta gctgctgcct acccccggca atttcttcca 600
ttcaaccaac tggcagcatt gaactctcat gct 633

<210> 10180

<211> 280

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C4

<400> 10180

canaaaaggc atcggatttc ctgggtaact acatcttcct ggctgttgga agagttgggt 60
 caagtactga tttgattgcc cagcgagttg agtttgtgca ggaggcagat aaaagaagcc 120
 acctgatgga tcttcttcat gcacaaagag atacagngaa agcaaactct cacgcttgtc 180
 tgttgtggaa accaagaggg gncgctgatt cattggaaag ctggttgtgc atgaatgggt 240
 ttccagctac ttctattcat ggagatagaa accagcagga 280

<210> 10181

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C5

<400> 10181

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 ctcttatgc tccttgggtct ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc 120
 tcgcaagctc ctatagcttc ccttcttccc cegtacctct caccagcggg gtctgggggg 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagc tggcatctta 240
 cctttatcac ccttgttcct ccaacaatca tcagccctat tacatcagtt acctttggtg 300
 catttattgg cacaaaacat cagggcacaa caactacaac aacttgtgct agcaaacttt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420
 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480
 caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540
 caactactac cattcagcca gctagctggg gtgag 575

<210> 10182

<211> 237

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C7

<400> 10182

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggggggaccc 120
gctcaaaaaa aaccaaact aaacgaaccc ggccagggaa acccaaaacc cttccccata 180
gtcccccccg gggggggggg gggggaaccc ccttctcaaa acccagggga acgggga 237

<210> 10183

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C8

<400> 10183

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tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca agcggcggt 120
gtggctgcc aacaccaccg ttctcatctac cgctccgtt ctatatgccg cctccgggt 180
atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
gcccgtgcc aacgttcgga tcttgccggcg tcggcagcgt cggcagcccg ttcttggggc 300
agtgcgtcga gttcctgagg caccagtgcg gcccggcggc gacgccctac ggctcgccac 360
agtgccaggc gctgcagcag cagtgtctgc accagatcag gcaggtggag ccgctgcacc 420
ggtaccaggc gacatacggg gtggctcctgc agtccttctt gcagcagcag ccgcagggcg 480
agctcgccgc gctgatggcg gccaggttag cgcagcagct gacggcgatg tgcggcctgc 540
agctgcagca gccaggtccc tgcccttgca acgcagct 578

<210> 10184

<211> 299

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-C9

<400> 10184

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tggctgccaa acaccacca ttcatctacc acctccnntc tatataccac cttggggggg 120
gtgccccnc ancatcanc ccancatcc caatacccca ctcaaccacc gcacctaacc 180

ccgtgccacc aaatcgcatc ctgcngcatc cgcagcgnca gcagcccggn cctcggccag 240
 ngcgccnact ctctcagca ccaccgcaac ccnncggcca cgccctacgg ctccccaca 299

<210> 10185

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D1

<400> 10185

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 acgcgcgcgg gagacagaga ccacagccgc agccaccggc gggcggaata ggaatggtgg 180
 cgccgggggg aggagcagga ggaggtccgt cgcggtggcc ggcggcggag gagcttgaca 240
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 cttgccccta cagaatttgc cctttggggg ctcatattga tcatcagggt ggagtagtca 360
 cagctatgac cataaattat ggagtactcc ttggtttcgt tccctctaatt ggttctgagg 420
 ttttacttca ttctggtcag tttgaagggt ctataagatt cagagttgat gacttgcaaa 480
 agcctattga taaacctgag aacataaact ggggaagtta tgcaaaagggt gctgttagtg 540
 cactgcagaa tagtgatat gatctaagga agggatatcat aggatatatt tctggtgtga 600
 aaggtcttga ta 612

<210> 10186

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D11

<400> 10186

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 cagcatacca ccttgtgata gacccattt tgggcaagca gtagtttctc aaatgggggg 180

ggggggttgta aatttgacca acggnaaaag attcaagaat taccgttttg ctggattgcc 240
 atgggatttc cccattcaga tttccaatgc aaatgatgag gtcatttgtc actgtagctc 300
 aagaaaacta cccaaatcgt cttggactat tgtttgttgt ccgccttcgt ccagttgtta 360
 gagttattgc acagacattt cttcaagttt tgaaaccatc taaaaagcag aagttacgtt 420
 ttgagggaga ttcatacaag aagacgttgg cggagttctt gcaggccgtg ccagcgtttc 480
 tgggcggtaa atgcagctgc ccacgatgcg agaagcctcg taatagttca gtggtgcagg 540
 caggggaagg gagcaagaac cagcctcgct tggtcagcgt tgataccgg 589

<210> 10187

<211> 611

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D12

<400> 10187

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 aagcccatat ttatcgagtc acaggcgcca gctccagctc cagagcccat ccctgtaaaa 120
 ttgcctgcaa aacaagccaa ggaagtgcct gctccccagg cagatgatgc tcccaggggg 180
 gaggtccttc gaaaggacct gtcaagtcgc acaaggcaaa agctgctctt gatgctgatg 240
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 agttgaaaga gatcaagagg caggaggaga ttgagaagaa caagcttgca ttggagagga 360
 agaagaagca ggctgagaag caagcagcaa aagccgcggc ccgggcacag aaggaagctg 420
 agaagaagct gaagaaagag gagaagaaag ccaagaagaa atctggcgca gctgacactg 480
 atgagccctc agaatcggac gccaaagtctg atgaagccat ggaagcccca gtggagcagg 540
 aagtggcccc agcttcacc atggtaaaga aggaacagaa ggagagtgcc cggcacagga 600
 acgtggtcag c 611

<210> 10188

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-D3

<400> 10188

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tateccctctt tgcgcttctt gccctttttg tgagcgcaac aaatgcgttc attattccac 120
aatgctcact tgctcctagt gccattattc cacagttcct ccctccatta cttcaagggc 180
ttcgaacacc cagctgtgca agcctacagg ctacaacaag cgcttgcggc gagcgtctta 240
caacaaccaa ttgcccaatt acaacaacaa tccttggcac atctaaccat acaaaccatc 300
gcaacgcaac agcaacaaca atttctatca gcaactgagcc aactagctgt ggtgaaccct 360
gtcgcctact tgcaacagca gttgcttgca tccaaccac ttgctctggc aaacatagtt 420
gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca actagccatg 480
gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc tctcgctgtg 540
gttaatgcac ctacatacct gcaacaacag ttgctgcaac agattgtacc agctctgact 600
cagct 605

<210> 10189

<211> 155

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D4

<400> 10189

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gtgctagcaa accttgctgc atactctcag caacatcagt ttcttccatt caaccaactg 120
gctgcattga actctgctgn cttattnntg caaca 155

<210> 10190

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D5

<400> 10190

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 atattttccc tccttatgct ccttgctctt tctacatgtg ttgctaacgc gacaattttc 120
 cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atgaatgata 180
 gcttcagtat gtgaaaaccc agctcttcaa ccatataggc ttcaacaagc aatcgagca 240
 agcaacatac ctttatcgcc cttgttggtt caacaatcac cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgettggtat ttgcagcaac aactattacc atttagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgtg cttatttgca gcagcaaata ctactga 577

<210> 10191

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-D6

<400> 10191

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 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
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 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ttgcctaccc ccaacaattt 480
 cttccattca accaacttgc tttgacaaac ctagcagtggt tctaccaaca accatcatt 540
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<210> 10192

<211> 267
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-D9

<400> 10192

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 ctgagggcaa agaagaagat caagaactga agcttgccaa atcggttcct tgcattggttt 120
 gcgtcaacaa gacgaagttt caaagctttt gtagctgcat aggctgctgc aacgtttttc 180
 agtggttaact cgtgtgttcc tgttcagggt cttcagcatg acataaatcg tttcagaagt 240
 ctagtaatat tattactatn tgggtgct 267

<210> 10193
 <211> 593
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-E1

<400> 10193

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 cttccttatg ctccttggtc tttctgcaag tgttgctacc gcaaccattt tcccacaatg 120
 ctcacaagct cctatagctt cccttcttcc ccataacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
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<210> 10194
 <211> 620
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-E10

<400> 10194

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ttgcagatca tcttgattac acattactga ttctttcaat gaaccattat gacatcattt 180
ttcgctacac attggttaggc aactcttgag gtaggaaggt gcatgacctc tcccgcaacg 240
agccatttgt cttgtgtgga caatggtaaa ggttttaggg gcttactcaa accactccct 300
ttgtttgcat tggcactgat acaagaaaca tgacactgac attcttgtca tgttcattgc 360
acatactgtc tgataaggac aaatatgtaa ccgatgtgtc cctgcatgta gctactacca 420
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cacctgccat gaccttactg tgctcattgc tgaccaattc cttgtgttac atttcaaaat 540
tattactaaa actcacaccg gtgagtattt tgccacaata ttttgtacct caacattctt 600
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<210> 10195

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E12

<400> 10195

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cgccttcagc acctacggcg aggtcctcga gtccaagatc atcctcnatc gggagagtca 180
gannggccgc ggcttcggct tcgtcacctt ctccacggag gaggcgatgc ggaacgccat 240
cgagggcatg aacggcaagg agctggacgg ccgcaacatc accgtcaacg aggcccagtc 300
ccgcggcggc cgtggaggcg gcggcgggcg ctacggtggt ggccgtggag gcggcggtca 360
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ctacggcaac tccgacggga actggaggaa ctgagcgggtg gggcccgcgc ggccaagtta 540
tccgtgtcgc taccgtgatg tttaccctag tccagagggt ttatcttcgt tcgtctcgtt 600
tgttgttgcc 610

<210> 10196

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E2

<400> 10196

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ccttatgctc cttgggtctt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccaacgggtg cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atgcagctg gcattctacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttgggtgca 300
tttattggca caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgccactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 540
actactacnc attcagccag ctagctgggtg tgagccctgc ta 582

<210> 10197

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E3

<400> 10197

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tcgccatgct ggactcggag gagcaccact tcgaatcgaa ggccgacgct ggggcgtcca 120
agacctaccc gcagcaggct ggcaccgtcc gtaagaacgg cttcatcgct atcaagaacc 180

gtccctgcaa ggttgtggag gtttctacct ccaagactgg taagcatggc cacgccaaat 240
gccactttgt cgccatagac atattcaatg ggaaaaagct tgaagatatt gttccttcat 300
cacacaactg tgacattccg catgtgaacc gtactgagta tcagctgatt gatatttctg 360
aggatggatt tgtgagcctt cttacttcag atggcaacac taaggatgat cttagactcc 420
caactgatga gactcttgtg gccagatta aggaaggggt cgaaagcggg aaggatcttg 480
ttgtgactgt ccagtctgcg atgggggagg agcagatctg cgcggtgaag gatgttggcc 540
ccaagtaact tccttggctt tggagacgga accctactgt atctcaactt aaatcggaaa 600
agaagtgtat caccaa 616

<210> 10198
<211> 345
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-E4
<400> 10198

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ccccgcccc cccncccn cncncccc ccccccccc ccccccncc ncccccccc 180
cccccccc ccncccc ccccccccc ccccccccc ccnccccgg ccccccccc 240
cccccccc nccngccc ccccccccc ccccccccc ccccccccc ccccccccc 300
ccncccc ccccccccc ccccccccc cccccccca cacac 345

<210> 10199
<211> 517
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-076-Q1-K6-E7
<400> 10199

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ggccagcggg gcccggtggc cccacccgg tcgggcacgc agcagcacga gaggggcccg 120

gagtgtcgag gtcaggcccc tacctgctct caaggagaac gtgaagcgtg tcatgtttta 180
 ctgctgagac gctggtgggc tgccttcgcc aaggggaatg tcctggagca ttcccatgta 240
 cccgcactgt ttcggtgata cagtactatc taacgccgat tttgcgcgtt aagacttcca 300
 gtgatttggg aaatttcttg tacgactggt gtagtggtgt gtattcgtaa tgtgatgacg 360
 cggcagttct tctaggagct tagtgccgtg taaagtattt gttgtaagtt gtaactaacc 420
 agtcaccccc tactgttagt catgatgaac caaattgtat gtgtgaggca ttgactgtcc 480
 gatggttatg acagctagtt ccttgagtag ttccggtt 517

<210> 10200

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-E8

<400> 10200

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 tccttgctct ttctgcatgt gttgctaacg cgaccatttt tcctcaatac tcacaagctc 120
 ctatagctgc ctttcttccc ccataccttc catcaatgac cgcttcagtt tgtgaaaacg 180
 cagcccttca accctacagg ctccaacaag caatcgcaac aagcaactta cttttatcac 240
 ccctgttctt tcaacaatcg ccagccctat ctttggtgca gtcattggta caaaccatca 300
 gggcacaaca gctgcaacaa ctctgtgtac cagtgatcag ccaagtagct ctggcaaacc 360
 tttctcccta ctctcagcaa caacaatttc ttccattcaa ccaactgtct aactgaacc 420
 ctgctgctta ttacaacaa caacaactac taccattcag ccagctagct actgcctact 480
 ctcagcagca acaatttctt ccatttaacc aattggcgcg actgaacccc tctgcttatt 540
 tccagcagca aatactacta ccatttggcc agcta 575

<210> 10201

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-E9

<400> 10201

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 gcagtgtctgc taccgcaacc attttccac aatgctcaca agctcctata gcttcctttc 120
 ttccccata cctctcacca gcggtgtctt cagtatgtgg aaaaccaat tcttcaaccc 180
 tacaggatcc aacaggcaat cgcagcaggc atcttacctt tatcacctt gttcctccaa 240
 caaccgtcag ccctattaca gcagttacct ttggtgcatt tgggtggcaca aaacatcaag 300
 gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
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 ccattcagtc agctagctgc tgccatcccc cagcaatttc ttccattcaa ccaactggca 480
 gcattgaact ctgctgctta ttacaacag caacagctac caccattcag ccagctagct 540
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<210> 10202

<211> 620

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F1

<400> 10202

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 ctcaatactc acaagctcct atagctgccc ttcttcccc atacctcca tcaatgaccg 180
 cttcagtttg tgaaaacca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
 gcaacttacc ttatcaccc ctgttctttc aacaatcgcc agccctatct ttggtgcagt 300
 cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
 aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc 420
 aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
 agctagctac tgccctactc cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
 tgaacccctc tgcttatttc cagcagcaaa tactactacc atttgccag ctagctacaa 600
 caagccccac ttcttttttg 620

<210> 10203
 <211> 489
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-F10

<400> 10203

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tgagggtggc gggctgagcg tggaggacgc caagaagggtg atcctcaagg acaagcgggg 180
cggcgagggg gtgggtgctgc ccgtcggctc cgtgggtgacc gcggattatc gccctaaccg 240
tgtccgcata ttcgtcgaca tcgtcgccca gacgccccac atcggctgat aatatataag 300
ctagccgcta tttcctttcc ttgcccaga acttgaaata aatatatata cgatgaaata 360
acgcgggcat gccgaataat ggatgtgtga attctcacta attaagtaat gcataaataa 420
ncgtnnaana aaaaaaaaaa aaaanaaaaa naaananaaa aaaaaaaaaa naaaaannaa 480
aaanaaaaaa 489
  
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<210> 10204
 <211> 587
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F12

<400> 10204

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acaatgctca caacaatacc tctctccggg gacagccgcg ggatttcaac accgggcttg 180
cagggtaca tgctacatga ggccatcgta gcaagcatct tacggtcatt agcattaacc 240
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atcgcgacac aacaactaca acaacagttg ctaccaacaa tcaatcaagt agttgcagcg 360
aaccttgctg cttatctcca gcaacaacaa tttcttccat tcaatcaact agctgggggtg 420
aaccttgctg tctacttgca ggcacaacaa ctactaccat ttaaccaact tgtcggggagc 480
  
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cctgatgcct tcttactgca acaacagctt ctgccattcc atctgcaagc tgtggaaaac 540
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<210> 10205

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F2

<400> 10205

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ccgcctcgtc cgcaacgcag acgatccctt cccgcaacgc ctctccaag tacgatttcg 180
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ataaaatgat gacaaggctc catcatcaac gggttccact agtaattttg gtgtgtggaa 480
ctgcctgtac tggaaaatca acaatcgcta cacaacttgc tcagaggctc aatttgccca 540
atgttttgca gac 553

<210> 10206

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F3

<400> 10206

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gtcctatag ctcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240

tcacccttgt tcctccaaca atcatcagcc ctattacaac agttaccttt ggtgcattta 300
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 tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct 420
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 cttccattca accaactagc agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 10207

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-F4

<400> 10207

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 gctgccagcg ccagcgccgg gacctcctgc gtgccggggg gngccatcc cgcacaaccc 180
 ggtggccgag ctgccgctgn gtacgt 206

<210> 10208

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F5

<400> 10208

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 aaacccaatt cttcaaccct acagggttcc aacaggcaat cacagctggc atcttaccct 120
 ttatcaccct tgtgtcctcc aacaatcatc agccctatta catcagttac ctttggtgca 180
 tttattggca caaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 240
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 a 541

<210> 10209
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-076-Q1-K6-F6

<400> 10209

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 caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gataca 596

<210> 10210
 <211> 605
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F7

<400> 10210

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<210> 10211

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-F8

<400> 10211

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 cctgaggcaa cagctgcaaa tgacagacac aagaggaatt gcaacagtgg tgaggcagtt 480
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<210> 10212

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G1

<400> 10212

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cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
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<210> 10213

<211> 519

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G10

<400> 10213

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ctaacaagca ccttcagcc gcgttcaata cccctaacca ccaccatcag gggggggggg 180
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tagtaaaaaa taaaccaatg ttcctgtgtg agtgaaaaa 519

<210> 10214

<211> 343
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G11

<400> 10214

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ttggcggtgc cctcttttag attgcttatt agttgtaatt caataatgaa gttttttggc 240
tgatgtatgt ggcctectag aaataagaag ttatatattcc aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaagggcgg ccaatactaa aaa 343
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<210> 10215
<211> 587
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-G12

<400> 10215

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tactattatt ccacaatgct cacaacaata cctctctccg gtgacagccg cgggattggg 180
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tagcattaac cctccaacag ccatatgcc tattgcaaca accatcctta gtgcatctgt 300
atctccaaag aatcgcgaca caacaactac aacaacagtt gctaccaaca atcaatcaag 360
tagttgcagc gaaccttgct gcttatctcc agcaacaaca atttcttcca ttcaatcaac 420
tagctggggt gaaccttgct gtctacttgc aggcaacaac actactacca tttaaccaac 480
ttgtcgggag ccctgatgcc ttcttactgc aacaacagct tctgccattc catctgcaag 540
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<210> 10216
<211> 597

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G4

<400> 10216

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gctgcggctg ccagccaccg ccgcccgttc atctaccgcc gccggtgcat ctgccacctg 180
cggttcacct gccacctccg gtgcattctc caccgcccgt ccacctgccg ccgcccgtcc 240
acctgccacc gccggtccat gtgcgcgcgc cggttcatct gccgcccga ccatgccact 300
accctactca accgccccgg cctcagcctc atccccagcc acacccatgc ccgtgccaac 360
agccgcattc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc accccgatcc 420
tgggccagtg cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg ccctactgct 480
cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag gtggagccgc 540
agcaccggtg ccaggcgatc ttccgcttgg tctccagtc catcctgcag cagcagc 597

<210> 10217
<211> 595
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G5

<400> 10217

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ccttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc gtacctctca ccaacggtgt cttcgggggtg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattctacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgccactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480

atttcttcca ttcaaccaac tgacagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctggtgt gagccctgct accttcttga cacaac 595

<210> 10218
<211> 243
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G6

<400> 10218

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acgctgcgcc taacgctggc acctctcttac aactgcaaca attgctgcca ttcaaccaac 120
ttgctttgac aaaccagca gcgttctacc aacaacccat cattggtggt gccctctttt 180
gggatttctt atgagttata gttcaataat aaagtttttt gtctgatgtt tgtggcttcc 240
cag 243

<210> 10219
<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-076-Q1-K6-G7

<400> 10219

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cctagtgccg gtattccaca gttcctccca ccagttactt caatgggctt cgaacatgca 180
ggcgtgcaag cctacaggct acaactagcg cttgcggcga gcgccttaca acaaccaatt 240
gcccattgca aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
caacaacaac agtttctgccc atcactgagc cacctagccg tgggtgaacc tgctacctac 360
ttgcaacagc agctgcttgc atccaaccca cttgctctgg cgaacgtagc tgcataccag 420
caacaacaac agctgcaaca gtttatgccg gtgctcagtc aactagccat ggtgaaccct 480
ggcgtctacc tacaactact ttcacttagc ccgctcgcgg tgggcaatgc acctacgtac 540

ctacaacaac agttgctgca acaaattgta ccagctctga ctcagctagc tgtggcaaaa 599

<210> 10220

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-G9

<400> 10220

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gcggggctac gggccagcgt cgccgtcgtc gtcgggtggcg ctgcctcggg cgcgatcgcg 180

ggtacctgcg tcgctcgtgc ccgtgccgac ggggcggggcg ccatcggcgc gcctgcgtgc 240

ggcggtcgcg gacgtgcccc gcggcggcct gcagctccag cggcgggggg aggaagtgtc 300

gtcggggacc gtgttcggca gagaagagga tgaggtgttg gagaaggtcg gggaggagaa 360

ggtggacggg tggatacggg agtcgatcgc ggagatcgtg cggcacatcg gcgaggcgcc 420

gttcctggtg cacctgttca gcagcggcga cggcgacggc gagcacgtga cggtgcgggc 480

ggagaccgcg gcgccggaga gctggccgga cgtgcggcgc cgggtggggaa tgggcgggca 540

gcggaggccg gacgggggtca tcctggtcga gcaggt 576

<210> 10221

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H2

<400> 10221

attctcccac attcttcatg ggcttgggaa ctccagccgt gcaagcctac aggctacaac 60

tagcgcttgc ggcgagcgcc ttacaacaac caattgccc aattgcaaaa caatccttgg 120

cacatctaac cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat 180

cactgagcca cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcac 240

ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 300

ttatgccagt gctcagtcac ctagccatgg tgaaccctgc cgtctaccta caactacttt 360
catctagccc gctcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac 420
aaattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac ttacaacagt 480
tgcttccatt caaccaactg gctgtgtcaa actctgctgc gtacctacaa cagcgacaac 540
agttacttaa tccattggca gtggctaacc 570

<210> 10222

<211> 558

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H3

<400> 10222

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gctgaggagt gaagcatggc tggcactcac cagggcgcaa ccatttgctt tcataaggca 120
ggtgaaaaaa agaacgaaga aacctgcagt gtacgtatct caactgtacg tggcatgcca 180
tgcaaatcct gcctaagtta ccccgacaa tggcattgcc tagtgacgtg gtggatcttc 240
agatcacaac ctttcttggtg ccagctttcg gtcactcca ctctccagcc ctcggaacca 300
tggctgagtc tgtctattct ttgtgtggtg tgtagcattc ctctgtttt cgttgtccaa 360
aatggtgtca aatccagttt tttgttgca gaatgaaccg tgacgttagt gtgttttgct 420
ggcggttagg tgcaaaatac tcgaaacctg aattgccgc tcgctatttc gggttgtaag 480
tatatgatga atctgatttt agttgcatgg tgtaccatc ttatctgaaa ataataaag 540
atctgtttgt ggttgact 558

<210> 10223

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-H5

<400> 10223

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tacttgttgg ctgtttttta tgtattctga gaagcagctg aactaataag ctgctgcaga 120

agttgactgt ttgtcagaac ttctgtttta gtttgtgaaa aactgaaaat gggggggcca 180
 aacatgacct acatgtgac ctcatttggg gacaaagctt ggactacttt tgtttctgatg 240
 atgctcatgg tttgattttt catgaacaca atgaacgttg ttacaagagg ctacaagatc 300
 accaatttag atggaccatt aatccattat atgcacaatg gacttgccaa tgatctagag 360
 gacatgatgt gatgcctcat tattctgttg cttgttcttg cacgcttcgg ttctgtttca 420
 tggcacagta ttgtccata ccccgctctc taaatctcct gtagtgctga ctgagaactt 480
 atgaagctaa tggctttcat ttctggcaca cttggaatac ttgtacccaa ccagattggc 540
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<210> 10224

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-076-Q1-K6-H6

<400> 10224

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 aacatcaatt atctaactcc aaaaaccatn aagctgggtgc ttgtgggtct tgctttcatt 120
 gcttttagtat caagtgtttc ttgtacacag acaggcggct gcaactgtgg tcaacagcgg 180
 gggctgagca gcaacatcat ccacaacaac atcatccaca aaaacaacaa catcaaccac 240
 caccacaaca tcaccagcag cagcaacacc aacaacaaca agttcacatg caaccacaaa 300
 aacatcagca acaacaagaa gttcatgttc aacaacaaca acaacaaccg cagcaccacc 360
 accaacaaca acaacaacag caccaacaac aacatcaatg tgaaggccaa caacaacatc 420
 accaacaatc acaaggccat gtgcaacaac acgaacagag ccatgagcaa caccaaggac 480
 agagccatga gcaacaacat caacaacaat tccagggtca tgacaagcag caacaaccac 540
 aacagcctca gcaatatcag cagggccagg aaaaatcaca acagccacaa tgtcattg 598

<210> 10225

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H7

<400> 10225

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tctcgtcgtg tgcctggctc tgtcagctgc cagcgccctc gcaatgcaga tgccctgccc 120
ctgcgcgggg ctgcagggct tgtacggcgc tggcgccggc ctgacgacga tgatgggggg 180
gggggggctg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
ggcgccctac tacgccgggt gtgggcagcc gagcgccatg ttccagccgc tccggcaaca 300
gtgctgccag cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat 360
gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
gcagcagcag cagcagctgc tggcagccca ggggtctcaac cccatggcca tgatgatggc 480
gcagaacatg ccggccatgg gtggactcta ccagtaccag ctgccagct accgcaccaa 540
cccctgtggc gtctccgctg ccattccgcc ctactactga ttcattg 586

<210> 10226

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-076-Q1-K6-H8

<400> 10226

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gcagttgctt gcatccaacc cacttgctct ggcaaacata gttgcatacc aacaacaaca 120
acaattgcaa cagtttctac cagcgctcag tcaactagcc atgggtgaacc ctggcggcgg 180
ggctacaaca gcaacaactg atttcatcta gccctctcgc tgtgggtaat gcacctacat 240
acctgcaaca acagttgctg caacagattg taccagctct gactcagcta gctgtggcaa 300
accctgctgc ctacttgcaa cagctgcttc cattcaacca actgactgtg tcgaactctg 360
ctgcgtacct acaacagcga caacagttac ttaatccact agcgggtggc aaccattgg 420
tcgttgctt cctacagcag caacaattgc tgccatacaa ccagttctct ttgatgaacc 480
ctgccttggt gtggcagcaa cccatcggtg gaggtgccat ctttttagatt acatagaga 540
tgtactcgat aatggtgccc tcatagcggc atgtggt 577

<210> 10227
 <211> 603
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-A1

 <400> 10227

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ccaactagca acatagnaag cacaatagtg taccaacaat ggcagccaaa atattttgct 60
tccttatgct ccttggctct tctgcaagtg ctgctaccgc aaccattttc ccacaatgct 120
cacaagctcc tatagcttgc tttcttcccc catacctctc accagcggtg tcttcagtat 180
gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgcagca ggcattctac 240
ctttatcacc cttgttctc caacaaccgt cagccctatt acagcagtta cctttgggtgc 300
at ttgttggtgc acaaaacatc aaggcacaac aactacaaca acttgtgcta ggaaaccttg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actggctgca ttgaactctg 420
ctgcttattt gcaacaacaa ctaccattca gtcagctagc tgctgcctac cccagcaat 480
ttcttccatt caaccaactg gcagcattga actctgctgc ttatttacia cagcaacagc 540
taccaccatt cagccagcta gctgatgtga gccctgttgc cttcttgaca caacaacagt 600
tgt 603
  
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<210> 10228
 <211> 614
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-A10

 <400> 10228

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ccgaatgttg aaagcttgga gaaatttatt aatgtctctc gactcgattg gtctctgctg 120
ttcaagataa ttcaggggat agcaaagggc ttacattgct tacataagca tcatatgggtg 180
ggtgggggatt tgaatccagc caacatctc gtccgttcag atatgaatcc tgtgggtcatc 240
aattttggat catcaatagt gctggatcgt gatgatgata aggtcacccg ggatgccgta 300
  
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gcaggcacac tgggttatgt cgctccagaa aaacttatgg aagcttatgc atcaatgatg 360
tctgatgtgt tctcttttgg aatcatcatc attgagatca ttaccggcag gagagcttca 420
cctttcgttg atttaccgga atgggggttca gttgatgaga tgattacatc agcgaaaggg 480
ttatttgatc cggcgctagc taacgagtct cagctgatga agattaatag gtgcagagag 540
gtcggactga agtgcattga gcgggatccg aaacgtcngc ctaccatggg aaatgtcctt 600
gagatgctaa gtag 614

<210> 10229

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A11

<400> 10229

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tgctccttgg tctttctgca agtgctgcta cggcgaccat tttccacaa tgctcacaag 120
ctctatagc ttcccttctt ccccgctacc tctcaccaac ggtgtcttcg gtatgggggg 180
gggggggttct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactgaca gattgaact ctctgctta ttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt 600
t 601

<210> 10230

<211> 225

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A12

<400> 10230

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tccaccacgc cctcacagct ggcatactaac ctnaatcacc cttttttctt tcacaancat 120
canccttatt actgggttttt gcctgggggnn cctcnatngn ccanaacat canttcacaa 180
caacaacaac aacaagngct agcggaccgg gctgcctact ctgag 225

<210> 10231

<211> 520

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A2

<400> 10231

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ctctatccat ctctctctat ctatatatgt aataatgcag taagacgaca cacattatca 120
tgtgtggtat gaccaataat atatgcatgg tcataataaa gttttggttt taatgggtca 180
gggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaca aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggagagcc 300
aaataaaaag gaaacaaaac aaaacaaacc caaaaaaaaa aaaaaaaaaa aaaggggggg 360
ggggccccc aaacaaaata cattgcccc cttttaacaa cgngtgact ggtaaaaacc 420
ggggcgaaac caaaataaac cgccgggggt taaaaccctt tttggccggg aaaaacattg 480
ggaaaaagcc caaaacggtc ggccttcaca aacctttttt 520

<210> 10232

<211> 244

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-A3

<400> 10232

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aggactggaa acatacctcc gtgtgtcctg taactgaagg taaaaattt actggatgga 120

gggatctgat agtatgttgc agccccccct ttttcgtttc atccttgatg taattgtggt 180
 accgatgtat tttgtacaag aacaaatcaa taataatgca atcgaaagcg agctgttcat 240
 acgc 244

<210> 10233
 <211> 604
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-A4

<400> 10233

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 ttccacagtg ctcaactgct cctagtgcca ttattccaca gttcctccca ccagttactt 180
 cagtgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 240
 gcgccttaca acaaccaatt gcccaattgc aacaacaatc cttggcacat ctaaccctac 300
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 ccgtgggtgaa ccctgtcacc tacttgcaac agcagctgct tgcattccaac ccacttgctc 420
 tggcgaacgt agctgcatac cagcaacaac aacagctgca acagtttatg ccagtgtcga 480
 gtcaactagc catggtgaac cctgccgtct acctacaact actttcatct agcccgctcg 540
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 tgac 604

<210> 10234
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-A6

<400> 10234

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 ttagcggcga tgagtaacgt agtgtcacc atcaccatgg gtggcagtgt gagcaatgac 120
 ctgaatgaac cattgaaatg gaaaggaata atatataagg aaaaaagatg attgggaact 180

<210> 10235
 <211> 575
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-A7

 <400> 10235

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cgggcgcccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc 240
nnccccccc ccccccccc ccccccccc cggggncc ccccccccc ccccccccc 300
cccccccc ccccccccc ccccccccg ccccccccc ccccccccc ccccccccc 360
ccccccccg ccccccccc ccccccccc ccccccccc ccccccccg ccccccccc 420
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ccccnnccc ccccccccc ccccccccc ccccccccc cgccccccc ccccccccc 540
cccccccc ccccccccc ccccccccaa ccaag 575
  
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<210> 10236
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-077-Q1-K6-A8

 <400> 10236

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gaggtgagga aggtgctcaa cagaacaaag gagaccaaga tcaactggtgc caatgcttcc 120
ctgaaacaca tgccccctct gtgcacctgt ccgcgcttcc agaaggcacc ggtggggggc 180
ggagatagcg agagccttgg acgttgacc tctactcgga atctacttcc agctcttgca 240
tgtttgtggc catcatgtac tgattttccc ttttcaacag ttgtcgtgag gctgtatctt 300
ctggagttaa aaaaatgcta aaagccggca ctaataatga tattaacttg 350
  
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<210> 10237
<211> 564
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-A9

<400> 10237

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actgtgttgc taacgcgaca attttccctc aatgctcaca agctcctata gcttcccttc 120
ttccccata ccttccatca ggggggggtg cagtatgtng aaaaccagc tcttcaacca 180
tataggcttc aacaagcaat cgcagcaagc aacatacctt tatcgccctt gttgtttcaa 240
caatcaccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc acaacagctg 300
cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactct 360
cagcaacaac aatttcttcc attcaaccaa ctgtctacac tgaaccctgc tgcttatttg 420
cagcaacaac tattaccatt tagccagcta gctactgcct actctcagca acaacaactt 480
cttccattta accaattggc cgcactgaac cccgctgctt atttgagca gcaaatacta 540
ctgccattta gcgagctagc tgca 564

<210> 10238
<211> 352
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-B2

<400> 10238

cgtccgcaca tgctcacagc tcctatagct tcccttcttc ccccgtaact ctcaccaacg 60
gtgtcttcgg tatgtgaaaa cccaattctt caaccctaca ggatccaaag ggaactgggtg 120
gctgggggct gatgattgtt ggcggatcgg ggtgataatg gtaagatgcc tgctgggggg 180
gggggggggg tectgtcggg tcgctggatt gggctgtccg ctccgcgcac tccgtgggtg 240
tgtggtcggg ggggtggcggg cngcctctgg cggccgggtt gcctgggcgg ccgcgggggg 300
cgggcggggg tgctccgtcc gggcccgggc ggcgtccctg ccttgcgttt tg 352

<210> 10239
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-B3

<400> 10239

gtgcagcccg acgcgacgcc ctactgctcg cctcagtgcc agtcgttgcg gcagcagtgt 60
 tgccagcagc tcaggcaggt ggagccgcag caccggtacc aggcgatctt cggcttggtc 120
 ctccagtcca tcctgcagca gcagccgcaa agcggccagg tcgcggggct gttggcggcg 180
 cagatagcgc agcaactgac ggcgatgtgc ggctgcagc agccgactcc atgcccctac 240
 gctgctgccc gcggtgtccc ccaactgaaga aactatgtgc tgtagtatag ccgctggcta 300
 gctagctagt tgagtcattt agcggcgatg attgagtaat aatgtgtcac gcacaccat 360
 ggggtggcagt gtcagtgtga gcaatgacct gaatgaacaa ttg 403

<210> 10240
 <211> 323
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-B8

<400> 10240

cccccccccc ccccccccc cccccccnc cccccccnc ccccccccc ccccccccc 60
 cccccccnc ccccccccc ccccncccc ccccccccc ccccccccc ccccccccc 120
 ncccccccn cccccccnc ccccccccc ccccccccc ccccccccc ccccccccc 180
 ncccccccc ccccccccc ccccccccc ccccccccc ccccccccc cccnncccc 240
 ncccccccn cccccccnc ccccccccc cccncccccc nnnncccccc ccccccccc 300
 ccccccccc nccncccccc ccc 323

<210> 10241
 <211> 586
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-B9

<400> 10241

gccaggntcc catgttacgg tcaaccctgg tgaggttggt tctcttgggg cagctgtgca 60
gggcgggggt ttggcaggag agtgaaagag tcgttcttct ggatgttact ccattatctc 120
ttggttttga gacattgggt ggagtgatga caaagattat cccaggaat accacactgc 180
caacctcaaa atcggaggta ttctcaacag ctgcagatgg acagacgagc gttgagatta 240
atgttctcca gggagaaaga gaggttgtta gggacaacaa gtcccttga agcttccgggt 300
tggacggaat ccctcctgca cctcgtggtg tcccacaaat tgaagtgaag tttgatattg 360
atgcaaattg tatcctctca gttgctgcca ttgataaggg cactggaaag aaacaggaca 420
tcaccatcac tgggtgctagt acgctaccta aggatgaggt tgagagaatg gtagaagaag 480
ccgataagtt tgccaaggag gacaaagaga agagagatgc aatcgacacc aaaaaccagg 540
cggactcagt ggtctaccag actgagaagc aactgaagga gcttgg 586

<210> 10242

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C1

<400> 10242

tccgcaaacg gcagtgcgta gaanaggatc gtcgacagaa cagcatgaag aggtcatcgt 60
tctcgtcgtg tgcttggtc tgtcagctgc cagcgccctc gcaatgcaga tgccctgccc 120
ctgcgcgggg ctgcagggt tgtacggcgc tggcgccggc ctgacgacga tgatgggcgc 180
cggcgggctg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
ggcgccctac tacgcgggt gtgggcagcc gagcgccatg ttccagccgc tccggcaaca 300
gtgctgccag cagcagatga ggatgatgga cgtgcagtc gtcgcgcagc agctgcagat 360
gatgatgcag cttgagcgtg ccgctgccgc cagcagcagc ctgtacgagc cagctctgat 420
gcagcagcag cagcagctgc tggcagccca gggctctaac cccatggcca tgatgatggc 480
gcagaacatg ccggccatgg gtggactcta ccagtaccag ctgccagct accgcaccaa 540

cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatga

587

<210> 10243

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C10

<400> 10243

cctccgggna ccagccctcg tagaaaggcg aangggccgg gaagatcttc ttcttggcga 60
ggtcgccggn agcgcgcgacg accgtgatgc tgacgggtgct cgctccccgc tgcccctgcc 120
ccggtgcccc atctgcgggg gggggggggcc atccancacc tctgcatatg cggccaggaa 180
gcagtagctg attctgcgta cagtcgggtca tcatgcacgc tcgcatattc caacggcagg 240
cgaggcgcgc gacgcgatac cattgctgct gccgaacgag gcgcgcgcga tctgcgggag 300
cccgttggag gacctggccc tgagaaggca cggctcttga gttctaggga cgagggtccg 360
gagaggcggc gagcagtaat ggtggagcgg ctgcctcgct gtcactgctg cctctcgtgg 420
tcgtgggaag aaggcggccg ggtggaaggt caaggccgcc atccgatcag tgtggaacgg 480
ccggagaggt ggtagattga ttgggatatg ggttgctcagg agtggacatc gatgttcttg 540
gcgattgctt t 551

<210> 10244

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C11

<400> 10244

ccgggtcgnc ccagcgctcg cttccgctcg cttaactttc cttgggcacc gggccccggc 60
cggccgnatg gagacggnac ttccctcctt cggcgctggc gctgccccgg cgagaaccag 120
ccggggaagg gaaaggagcg gcggtagccg gtaggtgtcc gctgttcttg acgcgcaagt 180
cggaccgtac ccgggggctt cgccggacgt cggcgctcgc acgccgagcg acgcgtgtga 240
ccgaagcggc ccacgcgcgc gcgcacagac aaaaataaaa ttaacttgtc ttctcgcccc 300

gatgatctct tcacctccgc gcaaggggat ggatgcggga tgcccaatct aaagtaccgc 360
 ctctacatc cacgcacgca cacagacaaa acccttttat tattattact agtcggttgc 420
 ccgtgcgttg cgacgactta caacaatacc catgtaaact atccatg 467

<210> 10245
 <211> 601
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C12

<400> 10245

attgaacaca gcacatagaa ggggggacca gtagcaacaa canagcaaca atggcgacca 60
 agatttttcc ctcttatgc tccttgcctt ttctgcatgt gttgctaacg cgacaatttt 120
 ccctcaatgc tcacaagctc ctatagcttc ccttcttccc ccataccttg gtgggggata 180
 gcttcagtat gtgaaaaccc agctcttcag ccctataggc tccaacaagc aatcgagca 240
 agcaacatac ctttatcacc cttgttggtt caacaatgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
 a 601

<210> 10246
 <211> 591
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C2

<400> 10246

gccgacacga gcggcgggna actccgacga gcttgccgtg gaggttctct gcccggtgtt 60
 ccgccccggc gcgtttggct catcgtcgtc acagccagca gcaaaggaca tcagctccac 120

cgctcgctgc accaaggtcg gagtgtgggg tggagaggga gggtcggcgc aggacatcgc 180
gacgacggag ccgccgaggc gtctgcagag cctgaccgtc cgcgccggcg ttgccgtgga 240
ctccatcgag ttcacctaca gtaccgacac aggtggtcag acgcgcaccg ctgggcgatg 300
gggtggactt ggcggaacg tccggaagct cgatcttggc gacgctgaat acgtcaagga 360
agtttctgga acgtacggcg cattcgaagg tgcgactacc cttacctcgt tcaggattgt 420
caccagcacc gccagagctt gggggccatg gggcatcgag agcggcacac gtttctgcat 480
caccgcgcc atcggcagca gcacgtggg attctatgga cgcgcgacga ccaggctcgt 540
cgctgcgatc ggtgtctacc tgcgccaact ttagtctggg ttcagcagca g 591

<210> 10247

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C3

<400> 10247

tagaagtggg aaccagtagc aacaacagga gcacaatggc gaccaagnaa ttttccctcc 60
ttatgctcct tgctctttct gcattgtgtg ctaacgcgac aattttccct caatgctcac 120
aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtatgtg 180
aaaaccagc tcttcagccc tataggctcc aacaagcaat cgcagcaagc aacatacctt 240
tatcaccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca ttggtacaaa 300
ccatcagggc acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 360
caaacccttc tccctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac 420
tgaaccctgc tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct 480
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 540
atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcc 600
tct 603

<210> 10248

<211> 233

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-C4

<400> 10248

gnattatagt tcaataataa atctaaaaga gtcaccacca atgatgggtt gttggtagaa 60
cgctgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 120
ggtgccagcg ttaggcgcag cgtgctggta gaacggcacc aactgtgggt gtatgggggg 180
ggggggaggg ctcacaccac cttgctgggt gaatggttnt agttgttgct gct 233

<210> 10249

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-C5

<400> 10249

gcgctctgca cgctcctccc atggcgccga cgtcgaagct gtcgatgggc atcaagcgcg 60
cgtcgcggtc gcacgcgtac caccgccgtg ggctctgggc catcaaggcc aagaacggcg 120
gcgctcttccc caagccgaga agcccggcg cgccgcggaa cccaagttct accccgccga 180
cgacgtcaag cctcgcgttc ccagcaccgc caagcctaatt cccaccaagc tcaggtcgag 240
catcacgcct gggacggtgc tgatcctcct cgcgggggcg ttcattggga agagagtgg 300
gttcttcaag cagctcaact ccggcctgct cctcgtctct ggtccattca agatcaatgg 360
agtaccgatc cgtcgtgtca accagacctg tgcattgct acatcaacca aggttgacat 420
ctctggtggt gatgtcgcga agtttgatga caagtacttt gccagggaga aaaagcagaa 480
ggtgaagaag acggaggggt agctttttga gacagagaag gaggcggtcca agtctctgcc 540
tgatttcaaa aaggatgacc agaaggccgt ggatgctgct ctgac 586

<210> 10250

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-C7

<400> 10250

tccgnaaaaa aaaaaaaaaa aaaaaaaaaa agagggggag aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaannaa aaaaaaCcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 180
 ggcccccccg gggggggggg ggggtaaacc cccccgcggg ggaagaaaaa aaccttttaa 240
 ggggggcccc aaaaaaaaaa aagggggggc ggggtaaaaa accggggggg ggggaaaaac 300
 ccggggggcc ccaaaaaaaa agcgtgggaa aaaaaacccc tttggccagg ggggggaaaa 360
 aagaaaaggg gccnccccg gggccctcc aaaaaggtgg gccccccaa aggggaaagg 420
 ggaccccccc ttaacgggcc aaaaaacccc ggggnngggg gggggcccc ccgggggggc 480
 cgttaacttg ggagggggcc aagggccggg ggnttggggg tttccccctt cttttttggc 540
 cccggggggg ggggtgtccc ccggggaagt caaaaagggg ggggccccct aaggggccac 600
 aaaa 604

<210> 10251
 <211> 611
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-C8
 <400> 10251

ttcgtgtgtt cttgtgagga gaatccctgn tttgggggag agacgagtcc aagcacaacc 60
 cccgccaatc gctcngatga aaaatctaaa ccaaaacct cagcgttttc atgggttccg 120
 gagggatttt atgttggtaa ggtgttgtgc ggtgtgatct ccaattccct attgctgatg 180
 tcttactcca tcatgacctt agggaaggat gttttcctct aaattactcg taataattat 240
 gcttggtgta tgtgttggtt tagctacttg atgaaatggt ttagtttgtg gcgataatat 300
 ggttgccgtt cgagtggaaa gtagatgtgt tgtatgacct gagttggagt tgaagcaagt 360
 atgtgtgtct cgtattacga aactaattag agatatgcat gatgtttgta gatggattat 420
 gtgtagagtg ttttagtaca agtatttttt taggtatagt tgaaccaatt attgtatatg 480
 aattgtgcga tatcaagggt gttctaattgt tcttttaaca tcttgctaata aaggtgttag 540
 agtattctaa atgccaaaca taggataatt ttacaagcca aatagaagtt aaattgaagg 600

tattgatgtt t

611

<210> 10252

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D1

<400> 10252

gcaacatagn aagcacaata gtgtaccaac aatggcagcc aaaaattttg cctccttatg 60

ctccttgggtc tttctgcaag tgctgctacg ggcaccattt tcccgcaatg ctgcaagct 120

cctatagctt cccttcttcc cccgtacctc tcaccagcgg tgtcttcggt atgtgaaaac 180

ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240

cccttggttc tccaacaatc atcagcccta ttacatcagt tacctttggt gcatttattg 300

gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaact tgctgcctac 360

tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420

ttgcaacaac aacaactacc attcagccag ctacctgctg cctacccccca gcaatttctt 480

ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540

ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600

ccg 603

<210> 10253

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D10

<400> 10253

cccccccccc cccccccnn ccccccgcc ccccccccc ccnnccccnc ncccccccc 60

cccccccccc nccggggcgc cggcccgggg gcccccccc ccccccccc cccccccnn 120

cccccccccc ccnnccccnc cccccccnc ccccccccc ccccccccc ccccccccc 180

cccccncccc ccccccccc ccccccccc cccccccccg ncccccccc ccccccccc 240

cccccccccc cccccccccc cccccccccc nccccccccc cccccccccc nccccccccc 300
 cgcccccccc cccccccccc cccccccccc gccccccccc cccccccccc cccccccccc 360
 cccccccccc cccccccccc cccccccccc cennceggcc cccccccccc cccccccccc 420
 cccccccccc cccccccccc cccccccccc cccccccccc cccccccccc ccccgccccc 480
 cccccccccc cccccccccc cccccccccc caac 514

<210> 10254

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D11

<400> 10254

gcaacactgc tttcatctac ccgctgcgtg ggccaagcac ctactacctg cacaagattg 60
 ttgcaacaga ttgtaccagc tctaactcag ctagctgtgg caaacctgtg tgcctacttg 120
 caacagctgc ttccattcaa ccaactaact atgtcgaaact ctgttgccggg cgggagacag 180
 cgacaacagt tacttaatcc attggcagtg gctaaccatc tggtcgctgc cttcctacag 240
 cagcaacaat tgctgccata caaccggttc tctttgatga atcctgtctt gtcgaggcag 300
 caaccatcgc ttggagggtgc catcttttag attacatatg agatgtactc gataatgggtg 360
 ccctcatacc ggcatgtgtt tcttagaaat aatcaatata ttggttgaga tttatctcgc 419

<210> 10255

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D12

<400> 10255

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 gnaagctggg gcttgtgggt cttgctttca ttgctttagt atcaagtgtt tcttgtacac 120
 agacaggcgg ctgcagctgt ggtcaacaac aaagccatga gcagcagcgt gggggcacaa 180
 caacatcatc caaaaaaca acaacatcaa ccaccaccac aacatcacca gcagcagcaa 240
 caccaacaac aacaagttca catgcaacca caaaaacatc agcaacaaca agaagttcat 300

gttcaacaac aacaacaaca accgcagcac caccaccaac aacaacaaca acagcaccaa 360
 caacaacatc aatgtgaagg ccaacaacaa catcaccaac aatcacaagg ccatgtgcaa 420
 caacacgaac agagccatga gcaacaccaa ggacagagcc atgagcaaca acatcaacaa 480
 caattccagg gtcatgacaa gcagcaacaa ccacaacagc ctgagcaata tcagcagggc 540
 caggaaaaat cacaacagca acaatgtcat tgccaggagc agcaacagac tacaagggtgc 600
 agc 603

<210> 10256
 <211> 591
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D3

<400> 10256

cacatggcag ccaaaaattt tgcctcctta tgctccttgg tctttctgca agtgtctgcta 60
 cgggcaccat tttcccgcaa tgctcgcaag ctcttatagc ttcccttctt cccccgtacc 120
 tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct tcaaccctac aggatccaac 180
 aggcaatcac agctggcatc ttacctttat cacccttggt cctccaacaa tcatcagccc 240
 tattacatca gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac 300
 aacaacttgt gctagcaaac cttgtgcct actctcagca acagcagttt cttccattca 360
 accaactagc tgcattgaac tctgcttctt atttgcaaca acaacaacta ccattcagcc 420
 agctacctgc tgcctacccc cagcaatttc ttccattcaa ccaactggca gcattgaact 480
 ctctgctta tttacagcag caacaactac taccattcag ccagctagct ggtgtgagcc 540
 ctgctacctt cttgacacaa ccacagttgt tgccgttcta ccagcacgtt g 591

<210> 10257
 <211> 606
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-D4

<400> 10257

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 ctactctcag caacagcagt tacctttggg gcatttggtg gcacaaaaca tcagggcaca 120
 acaactacaa caactcgtgc tagcaaacct tgctgcctac tctcagcaac aacagtttct 180
 gccattcaac caactagctg cattgaactc tgctgcttat ttgcagcaac aacaactact 240
 accattcagc cagctagctg ctgcctaccc cgggcaattt cttccattca accaactggc 300
 agcattgaac tctcatgctt atgtacaaca acaacaacta ctaccattca gccagctagc 360
 tgctgtgagc cctgctgcct tcttgacaca gcaacatttg ttgccgttct acctgcacac 420
 tgcgcctaac gttggcacc ctttacaact gcaacaattg ctgccattcg accaacttgc 480
 tttgacaaac ccagcagtggt tctaccaaca acccatcatt ggtgggtgcc tcttttagat 540
 tgcttatgag ttatagttca ataataaagt tttttttgct gaaaaaaaaa naaaaaaggg 600
 cggcccg 606

<210> 10258

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-D7

<400> 10258

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 gatattagcc ctcttgctgc ttcttgccct ttttgtgagc gcaacaaatg cgttcattat 120
 tccacaatgc tcaattgctc ctagtgccat tataccacag ttctccgac cagttacttc 180
 aatgggcttc gaacacctag ctgtgcaagc ctacaggcta caacaagcgc ttgcggcgag 240
 cgtcttataa caaccaatta accaattgca acaacaatcc ttggcacatc taaccataca 300
 aaccatcgca acacaacagc aacaacagtt cctaccagca ctgagccaac tagatgtggg 360
 gaacctgtc gcctacttgc aacagcaggt gcttgcatcc aacctacttg ctctggcaaa 420
 cgtagctgca taccaacaac aacaacaatt gcaacagttt ctgccagcgc tcagtcaact 480
 agccatgggtg aacctgccc cctacctaca acagcaacaa ctgctttcat ctagccctct 540
 cgttggtgggt aatgcaccta catacctgca acaacaattg ctgcaacaga ttgtaccagc 600
 tctgactc 608

<210> 10259
 <211> 152
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-D8

 <400> 10259

tgnaaaacac tgnctttggn agggataaca agatggaact caactgatga ggaagaaata 60
 tgccacttgt gactagagat gtctcacacc ggcactgctg ccagcctgat acgactgtta 120
 ggtggcttaa gccctcactg attgttactt at 152

<210> 10260
 <211> 609
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-D9

 <400> 10260

caacatcacc agcagcagca acaccaacaa caacaagttc acatgcaacc acaaaaacat 60
 cagcaacaac aagaagttca tgttcaacaa caacaacaac aaccgcagca ccaccaccaa 120
 caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 180
 caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 240
 catgagcaac aacatcaaca acaattccag ggtcatgaca agcagcaaca accacaacag 300
 cctcagcaat atcagcaggg ccagnaaaa atcacaacag caacaatgtc attgccagga 360
 gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 420
 ttgtcatgaa ttcctaaggc agcagtgcag ccctttggta atgccttttc tccaatcacg 480
 tttgatacaa ccaagtagct gccaggtatt gcagcaacaa tggtgtcatg atcttaggca 540
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 ggagcaaca 609

<210> 10261
 <211> 585
 <212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-E1
<400> 10261

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aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg accatttttc 120
ctcaatactc acaagctcct atagctgccc ttcttcccc atacctcca tcaatgaecg 180
cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
gcaacttacc tttatcacc ctgttctttc aacaatcgcc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
aagtagctct ggcaaacctt tctccctact ctcagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
agctagctac tgctactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
tgaaccctc tgcttatttc cagcagcaaa tactactacc atttg 585

<210> 10262
<211> 592
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-E10

<400> 10262

gccgcttgcc ggctaccaga aaaagggcgg gcggcgggcg gcggctaggg gtgccgctgg 60
ccttctccct ctctcctat cctcgcggtc cgggtgctcg ataccctcc accgggctgt 120
atcccagatc cctccgcctt gctcctatcg cctactctcg cagcaagcca agcgccgggg 180
gcggctctgc ctctgcctct gcctcagcct ccgcgtcgaa tggcgcgacc gcggaaagaa 240
cccgtgagct gcactgtac aacacgaagt cgcggaagaa ggagcagttt cggccgcgcg 300
atccaggcgg ggaggtcggc atgtacgtct gcggcatcac tccctacgac gacagtcaca 360
tcggccatgc ccgcgcatac gtagcctttg acgtcgtcta cagggtacttg cgctatttgg 420
actatgaagt tcgctatggt cggaacttca ccgacattga tgacaagata atcgcaagag 480
caaatcagct gggggaagat ccttttaact taagtaaaag gttctctgat gaattcttgg 540

tagacatggc caatcttcaa tgtttaccac catctgtgga gccccgtgtt tc 592

<210> 10263

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E4

<400> 10263

gnaccaaact agcaaatag naaagcacag tggggtgacc aacaatggca gccaaaatat 60
tttgctcct tatgctcctt ggtctttctg caagtgtgc tacggcgacc attttcccg 120
aatgctcgca agctcctata gcttcccttc tcccccgta cctctacca gcggtgtctt 180
cgggtgtgtga aaaccaatt cttcaacct acaggatcca acaggcaatc acagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacat cagttacctt 300
tggtgcattt attggcaca aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
acctgtctgc ctactctcag caacagcagt ttcttcatt caaccaacta gctgcattga 420
actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc 480
cccagcaatt tcttcattc aaccaactgg cagcattgaa ctctcctgct tatttacagc 540
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<210> 10264

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E5

<400> 10264

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gccacctcca cgcatacaag cggcggctgc ggctgccagc caccgccgcc ggttcattca 120
ccgccgccgg tgcattctgc acctccggtt cactgccac ctccggtgca tctcccaccg 180
gggtccacc tgccgccgcc ggtccacctg ccaccgccgg tccatgtgcc gccgccggtt 240
catctgccgc cgccaccatg cactaccct actcaaccgc cccggcctca gcctcatccc 300

cagccacacc catgcccgtg ccaacagccg catccaagcc cgtgccagct gcagggaacc 360
 tgcggcggttg gcagcacccc gatcctgggc cagtgcgtcg agtttctgag gcatcagtg 420
 agcccgacgg cgacgcccta ctgctgcct cagtgccagt cgttgccgca gcagtgttg 480
 cagcagctca ggcaggtgga gccgcagcac cgggtaccagg cgatcttcgg cttggtcctc 540
 cagtccatcc tgcagcagca gccgcaaagc ggccaggctg cggggctg 588

<210> 10265

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E6

<400> 10265

accatccana cagcaaacgg caggcgtgag aggacgtcga cagaacacat gaagaggtca 60
 tegtctctgt cgtgtgcctg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct 120
 gccctgcgc ggggctgcag ggcttgtag gcgctggcgc cggcctgacg acgatgatgg 180
 ggcgcggcgg gctgtacccc tacgcggagt acctgaggca gccgcagtgc agcccgctgg 240
 cggcggcgcc ctactacgcc ggggtgtggc agacgagcgc catgtaccag ccgctccggc 300
 aacagtgtg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
 agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
 tgatgcagca gcagcagcag ctgctggcag cccagggctt caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagtaccag ctgccagct 540
 accgcaccaa cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatt 595

<210> 10266

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-E7

<400> 10266

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gtccttget ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120
 tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag tatgtgaaaa 180
 cccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca tacctttatc 240
 acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg taaaaacat 300
 cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 360
 ctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa 420
 ccctgctgct tatttgagc aacaactatt accattcagc cagctagcta ctgcctactc 480
 tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 540
 gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 590

<210> 10267
 <211> 512
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-E9

<400> 10267

gccaaaacan cacacaaaca caagacaccc agccnaact gcaagtgtg ctaccgcaac 60
 acaaaccgcc acaatgctca caaactccac aagcaccct cctaccccca tacctctgac 120
 cagcggcgca acaacaatgc gaaggggggg ggggtccaacc ccacaagatc caacaggccc 180
 acgcacaaca cctctgacct tgaccacccc agcaccttca acaaccgtca ccctacaac 240
 acaagcaaca ccaaccgcat cagcctgaca caaaacatca aggcaacaaca acaacaacaa 300
 ctcgacctag gaaacctcgc tacctactac caactacaac aggcacctac atccaaccaa 360
 ccagctgcac aaaactctga agcttattga caacaacaac caccattcaa nccctagcta 420
 atgcctaccc cccaaaacgc ttgcaacaaa ccaactggca gcatggaact cagctgcaaa 480
 gttacaacaa tatcaggtac cagcatccac ac 512

<210> 10268
 <211> 615
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F10

<400> 10268

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tattaaaaac tgcaagataa accattctgt agttggactc cgatcttgca tatctgaagg 120
tgctatcata gaggacagtt tactaatggg tgcggactac tatgagacag aagctgatgg 180
gagagagctc cttgccgaaa aagtggcatt cctattggta ttgggaaaaa ttcattgcatc 240
aggagagcaa tcattgacaa gaatgctcga attggagaca atgttaagat actcaatgct 300
gacaatgttc aagaagctgc aaggggagaca gacgggtact tcatcaaagg tggaattgtc 360
acagtgatca aggatgcttt actccctagt ggaacagtta tatgaagtga acgtgcgaca 420
tgcagctgtg tgtctcgaca ttcgacaatg atcagcacct ggttacatgc gtgatctgca 480
gatcagtctg ttggagatca tcggagcaat aaaagtgtca tccaaggcat tttttctttc 540
tttttgcctt tttgtgtcct tcaatgttgt agggtagaat gttgtagcag caaatgttag 600
ttacatgttg aatcg 615

<210> 10269

<211> 599

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F11

<400> 10269

ggcagaaagc aganaagctt gggggagtag ggctttggtg gtagagttgc tgcaactaca 60
caatgtattc ttacctcaga gcttgtcctg aaactcttca ttctcaaaca cagtcctcta 120
ggaaaaatat gctgatgcaa accgtgtatc tgctatcatt ttgggcgggg ggggggggtg 180
gtcagctctt tcctctgaca agcacaagag ctacgcctgc tgtacctgtt ggaggatgtt 240
acaggcttat tgatatccct atgagtaact gcttcaacag tggataaaat aagatatttg 300
tgatgagtca gttcaattct acttcgctta accgccatat tcatcgtaca taccttgaag 360
gcgggatcaa ctttgctgat ggatctgtac aggtattagc ggctacacaa atgcctgaag 420
agccagctgg atgggtccag ggtacagcag actctatcag aaaatttata tgggtactcg 480
aggattatta cagtcacaaa tccattgaca acattgtaat cttgagtggc gatcagcttt 540

atcggatgaa ttacatggaa cttgtgcaga aacatgtcga ggacgatgct gatatcact 599

<210> 10270

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F12

<400> 10270

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tccttatgct ccttgggtctt tctgcaagtg ctgctacggc gaccattttc ccgcaatgct 120
cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggggg 180
gggaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagct ggcatcttac 240
ctttatcacc cttgttctct caacaatcat cagccctatt acaacagtta cctttgggtgc 300
atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
ag 602

<210> 10271

<211> 511

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F2

<400> 10271

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cagtttcttc cattcaacca actaggttca ttgaactctg cttcttattt gcaacaacaa 120
caactaccat tcagccagct acctgctgcc tacccccagc aatttcttcc attcaaccaa 180
ctagcagcat tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag 240

ctagctggtg tgagccctgc taccttcttg acacaaccac agttgttgcc gttctaccag 300
cacgttgcg ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 360
cttgctttga caaaccacgc agtggttctac caacaacca tcattggtgg tgccctcttt 420
tagatttctt atgagttata gttcaataat aaagtttttt atctgatgtt tgtggcttcc 480
cagaaataag aaagtacatt tctagattct t 511

<210> 10272

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F3

<400> 10272

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aagtagtagg catggcggag gcagaggccc atggcatcgt catcgctggc ggtggcatct 120
gcggcctagc caccgctctt gctcttcacc ggaaagggat tcttagcctt gtgttgga 180
agtccaggag cctgcgagcg gacggcgcgg gcatcggcgt gcacgccaac ggatggcgag 240
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accatgacgt gtggcagcag ggagacaaaa cgagccggga aaagggtcca gtaaggatgg 360
agctccgatg cttaaacaga aaggacctga tcgaggcact ggccaaggac atccctgcag 420
gcgcgatccg attcggctgc cgcgtcgctg ccgtcgctgc ggaccctggc ggcggtcacg 480
gcgccgtcct gacaatggcg gacggtactg ccatgaaggc caaggctctg atcgggtgcg 540
agggcacata ctccgcggtg gccaggtacc ttgggctgtc tccggtga 588

<210> 10273

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F4

<400> 10273

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tctttctgca agtgctgcta cggcgacccat tttcccacaa tgctcacaag ctcttatagc 120
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 tcaaccctat aggatccaac aggcaatcgc agctggcatc ttacctttat cacccttggt 240
 cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat tggcacaaaa 300
 catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
 acaacagttt cttccattca accaactagc tgcattgaac tctgcttctt atttgcaaca 420
 acaacaacta ccattcagcc agctatctgc tgcctacccc cagcaatttc ttccattcaa 480
 ccaactgaca gctttgaact ctctgctta tttacagcag caacaactac taccattcag 540
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<210> 10274

<211> 510

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-F5

<400> 10274

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 tcttcccccg tacctctcac caacggtgtc ttcggtatgt gaaaacccaa ttcttcaacc 180
 ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacctc tgttctcca 240
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 ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacagca 360
 gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420
 actaccattc agccagctat ctgctgcta cccccagcaa tttcttccat tcaaccaact 480
 gacagcattg aactcttctg cttatttaca 510

<210> 10275

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F6

<400> 10275

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gccgcaagat ccacgtctcc atcaagcaag agacctcgcg cgtcctgggc aacctcgcgt 120
gggcgtacat gcagcagcgc aacttcatgg cggcggaggt ggtgtaccgg aaggcgcaga 180
tgatcgaccc ggacgccaac aaggcgtgca acctcgcgct ctgcctcatc gagcaggccc 240
ggctcgccga cgccagctc gtccctaccg acgtgctcgc tgggaggtac caggcgcgcg 300
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agacgtggca gggcggcggc ggcgtcggtc gacgacgccg ggacgagagc gacgacgacg 420
acgacgactg ggttgagaac cagatgctgg ctctgctgga cgtggcgggtg ccgtaccgga 480
agaccagcag gaggtgccc gtcttcg 507

<210> 10276

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-F7

<400> 10276

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ccgtcagccc tattacagca gttacctttg gtgcatttgt tggcacaaaa catcaaggca 120
caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca acagcagttt 180
gtgccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaactacca 240
ttcagtcagc tagctgctgc ctacccccag caatttcttc cattcaacca actggcagca 300
ttgaactctg ctgcttattt acaacagcaa cagctaccac cattcagcca gctagctgat 360
gtgagccctg ttgccttctt gacacaacaa cagttgttgc cgttctacct gcacgctgcg 420
cctaacgctg gcacctctt acaactgcaa caattgctgc cattcaacca acttgctttg 480
acaaacccaa caacgttcta ccaacaaccc atcattggcg gtgccctctt ttagattgct 540
tatgagttat agttcaataa tgaagttttt tggatgatgt ttgtggctt 589

<210> 10277

<211> 599
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-F8

<400> 10277

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agatattagc cctccttgcg cttcttgccc tttttgtgag cgcaacaaat gcgttcatta 120
ttccacaatg ctcaattgct cctagtgcc a ttattccaca gttcctccca ccagttactt 180
gagtgggctt cgaacaccta gctgtgcaag cctacatgct acaacaagcg cttgctggcga 240
gcgtcttaca acaaccaatt gaccaattgc aacaacaatc cttggcacat ctaaccatac 300
aaaccatcgc aacgcaacag caacaacagt tcctaccagc actgagccaa ctagctgtgg 360
tgaaccctat cgcctacttg caatagcaga tgcttgcatc caaccactt gctctggcaa 420
acgtagctac ataccaacaa caacaattgc aacagtttct accagcgctt agtcaactag 480
ccatggtgaa ccctgccgcc tacctacaac agcaacaact gctttcatct agccctctcg 540
ctatggttaa tgcacctaca tacctgcaac aacagttggt gcaacagatt gtaccagct 599

<210> 10278
<211> 595
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-F9

<400> 10278

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gctccttggt ctttctgcaa gtgctgtac cgcaaccatt ttcccacaat gtcacaagc 120
tcctatagct tcctttcttc ccccatacct ctaccagcg gtgtcttcag tatgtgaaaa 180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gcaggcatct tacctttatc 240
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ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc ttgctgcta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactggct gcattgaact ctgctgctta 420

tttgcaacaa caactaccat tcagtcagct agctgctgcc tccccccagc aattttcttcc 480
attcaaccaa ctggcagcat tgaactctgc tgcttattta caacagcaac agctaccacc 540
attcagccag ctagctgatg tgagccctgt tgccttcttg acacaacaac agttg 595

<210> 10279
<211> 594
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G10

<400> 10279

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tgctcgcaag ctctatagc ttcccttctt ccccggtacc tctcaccagc ggggggtggg 180
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ttacctttat cacccttggt cctccaacaa tcctcagccc tattacatca gttacctttg 300
gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
cttgctgcct actctcagca acagcagttt ctccattca accaactagc tgcattgaac 420
tctgcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc 480
cagcaatttc ttccattcaa ccaactggca gcattgaact ctctgctta tttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttg 594

<210> 10280
<211> 595
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G12

<400> 10280

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attgccaat tacaacaaca atccttagca catctaacca tacaacccat cgcaacgcag 120
cagcaacaag cactgagcca cctagccgtg gtgaacccta tcgctactt gcaacagcgg 180
ggggttgcat ccaaccact tgctttggca aacgtagctg cataccaaca acaacaacag 240

ttgcaacagt ttctgccagc gctcagtcaa ctagccatgg tgaacctat cgcctaccta 300
 caacagcaac aactttcttc atctagcccg ctctgtatgg gcaatgcacc tacatacctg 360
 caacaacagt tgttgcaaca acagttgctg caacaaattg taccagctct tactcagcta 420
 gctgtggcaa accctgctgc ctacttgcaa caactacttc cattcaacca actgactgtg 480
 tcgaactctg ctgogtacct acaacagcga caacagttac ttaatccact agcgggtggct 540
 aaccattgg tcgtgcctt cctacagcag caacaattgc tgccatacaa ccagt 595

<210> 10281

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G2

<400> 10281

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 aaaatttttc catccttatg ctcttgctc tttctgcatg tgttgctaac gcgaccattt 120
 ttcctcaata ctcaaaagct cctatagctg cccttcttcc cccatacctt ccatcaatga 180
 ccgcttcagt ttgtgaaaac ccagcccttc aaccctacag gctccaacaa gcaatcgcaa 240
 caagcaactt acctttatca cccctgttct ttcaacaatc gccagcccta tctttgggtgc 300
 agtcattggt acaaaccatc agggcacaac agctgcaaca actcgtgcta ccagtgatca 360
 gccaaagtagc tctggcaaac ctttctccct actctcagca acaacaattt cttccattca 420
 accaactgtc tacttgtaac cctgctgctt atttacaaca acaacaacta ctaccattca 480
 gccagctagc tactgcctac tctcagcagc aacaatttct tccatttaac caattggccg 540
 cactgaaccc ctctgcttat tt 562

<210> 10282

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G3

<400> 10282

nanacancaaa gcaacatagn aaagtagaac cattagcaac aatagagcaa caatggcgac 60
 caagatattt tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat 120
 tttccctcaa tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat 180
 tatagcttca gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
 agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt 300
 gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360
 caaccaagta gctctggcaa acccttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga accctgctgc ttatttgag caacaactat taccatttag 480
 ccagctagct actgcctact ctacagcaaca acaacttctt ccatttaacc aattggccgc 540
 actgaacccc gctgcttatt tgcagcagca aatactactg ccattt 586

<210> 10283

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G4

<400> 10283

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 tgtggctacc aaggcaaagg gactacctcg catcactctc tctctcgata gagttgccgc 120
 atctgcgctc aaagatgtca ttgctgattt ctcccttgcg ctctatgaat cttacaaggc 180
 caggcaggaa catgcatcca gagaacaaga acgagtgatca cagctcatgg aaaatctaga 240
 ctctgaaaga gaaaaaacg aagtaatgca aaagcaactt gaagcccttt cattcctcga 300
 caaaagaaag gctacaaagc caaagcttgt gactgataag tttccaagtg tgtcgggtgc 360
 acctccaagc tctgatcaaa tgattgttgc tgtacagcag caaacaccag tggctttacc 420
 tagcaaagtt cctcctgcta aaggtacgaa gcgcgtggcc cctttgcctc ggagggcaag 480
 agtacgagga gctttgttgc aagatactga agaaaatgct gatgataata cttagatatt 540
 gctgatttat cagcattgat taactctttg gcatgtaaac ttattagtag atttctgctg 600

a

601

<210> 10284

<211> 566
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G5

<400> 10284

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ctttggtgca tgcattggta caaaccagca gggcgcaaca gctgcagcaa ctcgggctac 60
ctctgttcaa ccaagtagct ctggcaaacc tttctcccta ctctcagcaa caacaatttc 120
ttccattcaa ccaactgtct aactgaacc ctgctgctta tttgcagcaa caactattac 180
catttagcca gctagctact gcctactctc agcaacaaca acttcttcca tttaaccaat 240
tggccgcact gaaccccgct gcttatttgc agcagcaaact actactacca tttagccagc 300
tagctgcagc aaaccgtgct tccttcttga cacagcaaca gttgctgcct ttctaccagc 360
agtttgcggc taaccccgca accctcttac aactacaaca attggtgccc tttgtccaac 420
ttgctttgac agaccagcg gcctcctacc aacaacacat cattggtggg gccctctttt 480
agattgctta ttagttgtaa ttcaataata aagttttttg gatgatgtat gtggccaacc 540
agaaataaga agttacattt ccagaa 566
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<210> 10285
<211> 587
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-077-Q1-K6-G6

<400> 10285

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caacaagcaa catagnaaag tggatacagt ggcaacaata gagcaacaat ggcggccaag 60
atattttcca tccttatgct ccttgctctt tctgcatgtg ttgctaacgc gaccattttt 120
cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
gcttcagttt gtgaaaacc agcccttcaa ccctacaggc tccaacaagc aatcgcaaca 240
agcaacttac ctttatcacc cctgttcttt caacaatgcg cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacaacag ctgcaacaac tcgtgctacc agtgatcagc 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
caactgtcta cactgaaccc tgctgcttat ttacaacaac aacaactact accattcagc 480
```

cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgg 587

<210> 10286
 <211> 598
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G7

<400> 10286

ataaatacat gccactcacā tggtgctgct ccattctcca agtcaccaac gcaaattgca 60
 ccaagaaatc catcgagagg ccgtcgacag ggaattaat ggcgtcgtcg tctagcagca 120
 gccaccgccc cctcatcctc gcagccgccc tctgtctctc cgtgctcgcg gctgccagcg 180
 ccagcgcgag gacctcctgc gtgcccgggt gggccatccc gcacaacccc ctcccagagt 240
 gccgctggta cgtgaccagc cggacctgcg gcacgcccgc gcgcctcccg tggccggagc 300
 tgaagaggag atgctgcccg gagctggcgg acatcccggc gtactgcccg tgcacggcgc 360
 tgagcatcct catggacggc gcgatcccgc cgggcccgga cgcgcagctg gagggccgccc 420
 tagaggacct gccgggctgc ccgcccggag tgcagagggg attcgccgcc accctcgtca 480
 cggaggccga gtgcaacctg gccaccatca gggcgctcgc cgaatgcccc tggattctcg 540
 ggggcggaac gatgccctcc aagtaactgc gaagagcata gtgcatgagg aatgagct 598

<210> 10287
 <211> 560
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-G8

<400> 10287

acacaccaag cgaagcgcac taggggcggg cggagcaaca atggctacca agatattagc 60
 cctccttgcg cttcttgccc tttttgtgag cgcaacaaat gcgttcatta ttccacaatg 120
 ctcacttgct cctagtgcga ttattccaca gttcctccca ccagttactt caatgggggg 180
 gggagcacct agctgtgcaa gccaacatgc aacaacaagc gcttgccggc agcgtcttac 240
 aacaaccaat tgcccattg caacaacaat ccttgccaca tctaacaata caagccatca 300

caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
 ccgcctactt gcaagagcag ctgcttgcac ccaaccact tgctctggcg aacgtagttg 420
 caaaccagca acaacaacag ctacaacagt ttctgccaac gtcagtcac ctagccatgg 480
 tgaaccctgc cgcctacgta caacaacaac aactgcttcc atctagcccg ctgctgtgtg 540
 gcaatgcacc tacatacctg 560

<210> 10288

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-G9

<400> 10288

attgagacca actagcaaca taggaagcag catagtgtac caacaatggc agccaaaata 60
 ttttgcttcc ttatgctcct tggcttttct gcaagtgttg ctaccgcaac cattttccca 120
 caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
 tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240
 atcttaccat tatcaccctt gttcctccaa caaccgtcag ccttattaca gcagttacct 300
 ttggtccatn tgggtggcaca aaacatcagg gcacaacaac tataacaaac tgtgctagca 360
 aaccttgctg catactctca gcaacatcag tttcttttcat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacattac ca 452

<210> 10289

<211> 126

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-077-Q1-K6-H3

<400> 10289

gnttgctagc aaccatctac ttcactctctg gtgtccctgg ggccatgtg ctttggtatc 60
 gcccgcttta caatgcgatg aggactgaaa gtgctttgaa gtttgggtgg tttttcttgc 120
 ttacc 126

<210> 10290
 <211> 551
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-H5

<400> 10290

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 gagaggggga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaag gggggggccc ctctaaaaga accaaaccta acgtccccgg 180
 ccattgcaacg aaaaaccttt cttaaagggc aaccaaaggg ggggaggggc ccccttttta 240
 aaaacgcgga aacgggaaaa acccgggcgt aaccaaacta aatgccctgg aaaaaaaccc 300
 ccctttccca agtgggggaa aaacaaaaaa ggccccaccc aatccccctt ccaaaaagt 360
 gccaaccta aaggggcaaag ggaaccccc ctgaaccggg ccataaagcg cgcggggggg 420
 gggggtaacc ccaaggggac ccgtaaaatt ggcaaggccc caagcccccg ctctttgggt 480
 ttttttcctt ccctttctcg caacttcgcc cggttttccc cgaaaacctt aaaaaggggg 540
 cctcccttaa g 551

<210> 10291
 <211> 551
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-077-Q1-K6-H8

<400> 10291

 attgagaaca actagcaaca taggagacag ataggggacc aacaatggca gccaaaatat 60
 tttgcctcct tatgctcctt ggtctttctg caagtgtctg tacggcgacc attttccac 120
 aatgctcaca agctcctata gcttcccttc ttccccgta cctctcacca gcgggggggg 180
 gggggtgtga aaaccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca 240
 tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacag cagttacctt 300
 tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360

accttgtctgc ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga 420
 actctgcttc ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc 480
 cccagcaatt tcttccattc aaccaactga cagctttgaa ctctcctgct tatttacagc 540
 agcaacaact a 551

<210> 10292
 <211> 577
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-077-Q1-K6-H9

<400> 10292

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 cactagtcca tgtgagaaac cccttgccgc taccttcaac actaactaca gctttaatat 120
 catgctctta tctagggcca tagctgctgc ctacgtgcct aaagaactgt aacaacaaat 180
 tgtaccaggg gtgggggggg ttgttactga aaacctgtg gcctacctg aacacttggt 240
 tccatacaag ctactatcta tgcaaaactc tgtggcgaac cttcaacagc gactacaaca 300
 actaaaacca ttacttaagg ctaaccatt gggttaatgca ttgctacatg acttactaca 360
 gctgccatac aagctgctct atatgatgaa ttctgtcttg aatacgcagt aacctatgga 420
 tgaacgcacc atcttttatg accacatatt agatgaccta taaaatggag tccttatacc 480
 ggctgtgta ccctagagat aatcactata atgattaaga tatatcttga gatttatctc 540
 gataaaaaaa aaaaaaanaa aaaaannaaa aanaaaa 577

<210> 10293
 <211> 662
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-A1

<400> 10293

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 gactacttga gacaaacaac ttccctgaat tcaactggacg agtttgcctt gctccttggt 120

aggggtcatg tgttcttggg attattgaga atccggtgtc tatcaaaagt atagaatgtg 180
 caatcataga caaagggtttt gaagagggat ggatgattcc acgacctcca cttcaaagaa 240
 caggaaggaa ggtggccatt gttggcagtg gaccatctgg tttggctgct gcagatcaac 300
 taaataaaat gggccacttc gtaactgtgt tcgaacgtgc agatcgaatt ggaggtttaa 360
 tgatgtatgg tgtgccaaac atgaagacag acaagattgg cgttgtccag cgccgtgtta 420
 atttaatggc tgaagagggt gtcacatttg tggatgaatgc caatgttggg agtgatcctt 480
 tgtactcgat tgaacgtcta cgttctgaaa atgatgcggg tatttttggct tgtggagcaa 540
 caaaaccgag agatctcacc atccctggac gcgagctatc tggagttcat tttgcaatgg 600
 aatttctcca tgcaaatacg aaaagnttac tcgacagcaa cctgnaggat ggtaaataata 660
 tc 662

<210> 10294

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A10

<400> 10294

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 gcttcttggc ctttttgtga gcgcaacaaa tgcgttcatt attccacaat gctcacttgc 120
 tctagtggc attataccac agttcctccg accagttact tcaatgggct tcgaacacct 180
 agctgtgcaa gcctacaggc tacaacaagc gcttgcgggc agcgtcttac aacaaccaat 240
 taaccaattg caacaacaat ccttggcaca tctaaccata caaaccatcg caacacaaca 300
 gcaacaacag ttctaccag cactgagcca actagatgtg gtgaaccctg tcgcctactt 360
 gcaacagcag gtgcttgcac ccaaccact tgctctggca aacgtagctg cataccaaca 420
 acaacaacaa ttgcaacagt ttctgccagc gtcagtcaa ctagccatgg tgaaccctgc 480
 cgcctaccta caacagcaac aactgctttc atctagccct ctggttggg gtaatgcacc 540
 tacatacctg caacaacaat tgctgcaaca gattgtacca gctctgactc 590

<210> 10295

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A11

<400> 10295

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ttatgctcct tgggtatttct gcaagtgtgt ctacggcgac cattttcccg caatgctcac 120
aagctcctat agcttccott cttccccgt acctctcacc agcgggtgtct tcggtatgtg 180
aaaaccaat tcttcaacc tacaggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gtctctcaa caatcatcag ccctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgttgctac cccaacaat 480
ttcttccatt caaccaactg gcagcattga actctctgc ttatttacag cagcaacaac 540
tactacncat tcagccagct agctgggtgtg agccctgcta cttcttgac acaaccacag 600
ttgttgccgt tctaccagca cgctgncgcc tacgctggca ccct 644

<210> 10296

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A12

<400> 10296

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cttctccaga aggttatggt ttgggatctg gtatttctct gttcattgct accaatatct 120
gtgagaatat catctggaag gcatttagcc ccacaaccat caacagtggc cgtgggtgctg 180
aattcgaagg ggctgtcatt gcaactgttc atctgttgat tacgagaacc gataaagtcc 240
gtgctcttcg tgaggctttc taccgccaga accttccaaa tgtgaccaat ttgcttgcca 300
ctgtcttggg attcctcata gttatctatt tccaaggctt ccgtgttggt cttccagtga 360
gatcaaagaa tgctcgtggc cagcaaggct catatccaat taagctgttc tacacttcaa 420
acatgcccat cattcttcac tctgcgctga ttaccaacct ctattttata tcccagcttc 480

tctacaggaa gtac

494

<210> 10297

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A2

<400> 10297

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aagacattat ccttccttgc gcttcttgcc ctttttgtga gtgcaacaaa tgcgttcatt 120
attccacaat gtcacttgc tccgagtgc attattccac agttcctccc tccagttact 180
tcaatgggct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gcttgcgggc 240
agcgtcttag aacaaccaat tgcccaatta caacaacaat ccttggcaca tctaaccata 300
caaaccatcg caacgcagca gcaacaagca ctgagccacc tagccgtggt gaaccctatc 360
gcctacttgc aacaacagct gcttgcattc aaccacttg ctttggcaaa cgtagctgca 420
taccaacaac aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggt 480
aaccctatcg cctacctaca acagcaacaa cttctttcat ctagcccgtc cgctatgggc 540
aatgcaccta catacctgca acaacagttg ttgcaacaac agttgctgca acaaattgta 600
ccagctctta ctgagctagc tgtggcaaac cctgctgcct acttgcaaca actacttnca 660
ttcaccaact gact 674

<210> 10298

<211> 193

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A3

<400> 10298

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tgttgccctt ttgcengcag tttgcggcgt ccccgccgc cctctttctt cttcaacann 120
ngntgctttt tttttctttt gctttgccgg tcccgccggt cttcttcttc cttcgcgctc 180

ttggtggtgc cct

193

<210> 10299
<211> 647
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A4

<400> 10299

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gatattagcc ctccitgccc ttcttgccct tttagtgcgc gcaacaaatg cgttcattat 120
tccacagtgc tcaattgctc ctagtgccat tattccacag ttccctccac cagttacttc 180
aatgggcttc gaacatccag ccgtgcaagc ctacaggcta caactagcgc ttgcggcgag 240
cgccttataa caaccaattg cccaattgca acaacaatcc ttggcacatc taaccctaca 300
aaccattgca acgcaacaac aacaacaaca acagtttctg ccatcactga gccacctagc 360
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ggcgaacgta gctgcatacc agcaacaaca acagctgcaa cagtttatgc cagtgtcag 480
tcaactagcc atggtgaacc ctgccgtcta cctacaacta ctttcatcta gcccgctcgc 540
ggtgggcaat gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct 600
gactcagcta gctgtggcaa accctgctgc ctacttataa cagttgc 647

<210> 10300
<211> 634
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-081-Q1-K6-A5

<400> 10300

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cacctccggt tcacctgcca cctccgggtg atctcccacc gccggtccac ctgccgcccgc 120
cggtcacact gccaccgccc gtccatgtgc cggcgcgggt tcatctgccg ccgccaccat 180
gccactaccc tactcaaccg ccccgccctc agcctcatcc ccagccacac ccattgccgt 240

gccaacagcc gcacccaagc ccgtgccagc tgcagggaac ctgcggcggtt ggcagcacc 300
 cgatcctggg ccagtgcgtc gagttcctga ggcatcagtg cagcccgacg gcgacgccct 360
 actgctcgcc tcagtgccag tcgttgccgc agcagtgttg ccagcagctc aggcaggtgg 420
 agccgcagca ccggtaccag gcgatcttcg gcttggtcct ccagtccatc ctgcagcagc 480
 agccgcaaag cggccaggtc gcggggctgt tggcggcgca gatagcgag ccaactgacgg 540
 cgatgtgcgg cctgcagcag ccgactccat gccctaagc tgctgccggc ggtgtccncc 600
 actgaagaaa catgtgctgt agtatagccg ctgg 634

<210> 10301

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A6

<400> 10301

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 gcagctgcag caactcgtgc tacctgtgat caaccaagta gctctggcaa acctttctcc 120
 ctactatcag caacaacaat ttcttcatt caaccaacta tctacactga accctgctgc 180
 ttatttgcag caacaactat taccattcag ccagctagct actgcctact ctcacaaaca 240
 acaacttctt ccatttaacc aattggccgc actgaacctc gctgcttatt tgcagcagca 300
 aatattacta ccatttagcc agctagctgc agcaagccgt gcttccttct tgacacagca 360
 acagttgctg cctttctacc agcagtttgc ggctaacccc gcaacctctt tacaactaca 420
 acaattgttg ccctttgtcc aacttgcttt gacaaaccca gcagcctcct accaacaaca 480
 catcanttgg tggtgccctc ttttagattg cttattagtt gtaattcaat aataaagttt 540
 tttggatgat gtatgtggcc aaccagaaat aagaagttac atttcagat tctaattgtga 600
 tattggtctc caggggtgtc gatattactt tgct 634

<210> 10302

<211> 63

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-A7

<400> 10302

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aaa 63

<210> 10303

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-A9

<400> 10303

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aaagcacaat agtgtaccaa caatggcagc caaaatattt tgcttcctta tgctccttgg 120

tctttctgca agtgttgcta ccgcaaccat tttcccacaa tgctcacaag ctcctatagc 180

tccctttctt ccccatacc tctcaccagc ggtgtcttca atgtgtgaaa cccaattgt 240

tcaaccctac aggatccaac aggcaatcgc aacaggcatc ttaccattat cacccttgtt 300

cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa 360

catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca 420

acatcagttt ctccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 480

acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca 540

actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac cattcagcca 600

gcttagctga tgtgagccct gctgccttct tgcacaacaa cagttgtntg ccgttctacc 660

tgcacgctat g 671

<210> 10304

<211> 668

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B10

<400> 10304

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ggatcactat ctgaagctcg tgctgtatta aatgcagcaa gacagcaagc aatgaagggt 120
 gcaccaaaca tgccacagca ccaggcctgc cttgatgtaa tggaagaagg catattatat 180
 ggaggtcaag ctgggtgtttt gaaggaagcc aggggttttca aggaactggt ggtagcacca 240
 acatcaaagg ctcttgtcca tgttttcttt gcacaacgtt ccacgacaaa ggtgccaggt 300
 gtaactgatg ttcaactgaa accaaggcca attagaaaag ttgctgttat tgggtggtggt 360
 ctgatgggct ctggaattgc tacatcactt cttgttagca atatttctgt tgtgctcaag 420
 gaagtgaacc ctgagtttct gcaaagggga gagaaaatga tagcaggtaa tcttgagggc 480
 ctgataaaaa aaggttcact aacaaaggat aggatgcaca aggccatgtc gcttttcaag 540
 ggcgctttgg attattcaga tttaaggatg ttgatatggt tattgaggct gttattgaga 600
 agattccttt gaagcaatcg atattttctg acattgaaaa aatctgtccg aaacattgca 660
 tacttgcg 668

<210> 10305

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B11

<400> 10305

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 gcttccttat gctccttggc ttttctgcaa gtgctgctac cgcaaccatt ttcccacaat 120
 gctcacaagc tcctatagct tcctttcttc ccccatacct ctcaccagcg gtgtcttcag 180
 tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcgca gcaggcatct 240
 tacctttatc acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg 300
 tgcatttggt ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc 360
 ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactgggt gcattgaact 420
 ctgctgctta tttgcaacaa caactaccat tcagtcagct agctgctgcc tacccccagc 480
 aattttcttc attcaaccaa ctggcagcat tgaactctgc tgcttattta caacagcaac 540
 agctaccacc attcagccag ctagctgatg tgagccctgt tgctttcttg cacaacaaca 600
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<210> 10306
 <211> 198
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-081-Q1-K6-B12

 <400> 10306

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 cgtcgatttc ccgtccctgc gccttcgtgt tatgatctct gctcctctgc gggcgcggt 120
 ggcggcgcta gcagctgtcc ttgggggggc gctcctgtc ggggcgttct cggtcgagt 180
 caatcccaat cccaagcc 198

<210> 10307
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-B2

 <400> 10307

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 ggggatgggg ggagcgcaat tccccggcga caacgacgtc gcggaagtag acgcgggccc 120
 cgacggagag gtggaccgcc gtgacgtgg caagatgaag cacgggtgag agcattaccg 180
 gcggaggtgc aagatcgtgg caccgtgctg caaccagggtg ttcccctgcc gccactgcca 240
 caacgaggct acggcttccg gagatcggca tacaatatgt cgtcaggatg ttgaaaaagt 300
 agtttgcta ctctgtgaaa caaaacagcc ggtgtcacia gtgtgcataa gctgtggagt 360
 caatatggga gactactttt gtgatatatg caaattttat gatgatgata cagacaaagg 420
 gcagtaccat tgcacgatt gtggcatatg cagggttggg ggcaaggaaa acttcttcca 480
 ctgtgtgaag tgtgggtcct gctattctgt tatactccgt gataaccatc agtgtgtgga 540
 gaactantga ggcagaattg cccatctgtt atgagtatct atttgactca ttacaaggaa 600
 caagagttct gaactgtgga cacacaatgc acttgacatg ttttg 645

<210> 10308

<211> 650
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B3

<400> 10308

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cagtttctgc catcactgag ccacctagcc gtgggtgaacc ctgtcaccta cttgcaacag 120
cagctgcttg catccaaccc acttgctctg gcgaacgtag ctgcatacca gcaacaacaa 180
cagctgcaac agtttatgcc agtgctcagt caactagcca tgggtgaaccc tgccgtctac 240
ctacaactac tttcatctag cccgctcgcg gtgggcaatg cacctacgta cctacaacaa 300
cagttgctgc aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc 360
tacttacaac agttgcttcc attcaaccaa ctggctgtgt caaactctgc tgcgtaccta 420
caacagcgac aacagttact taatccattg gcagtggtta acccattggg cgtacacctc 480
ctgcagcagc aacaacaatt gctgccatac aaccagttct ctttgatgaa ccctgccttg 540
cagcaacca tcgttgaggg tgccatcttt tagattacat atgagatgta ctcgacaatg 600
gtgccctcat cccgacatgt gtttcctaga aataataaat attgattgag 650

<210> 10309
<211> 657
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B4

<400> 10309

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cgtgtgacct gctctgtcag ctgccagcgc ctctgcaatg cagatgcctt gccctgcgc 120
ggggctgcag ggcttgtagc gcgctggcgc cggcctgacg acgatgatgg gcgccggcgg 180
gctgtacccc tacgcggagt acctgaggca gccgcagtg agcccgtgg cgccggcgcc 240
ctactacgcc ggggtgtggc agacgagcgc catgtaccag ccgctccggc aacagtgcgt 300
ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc agatgatgat 360
gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc tgatgcagca 420

gcagcagcag ctgctggcag cccagggctct caaccccatg gccatgatga tggcgcagaa 480
catgccggcc atgggtggac tctaccagta ccagtaccag ctgcccagct accgcaccaa 540
cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatgatat ttgggaaatc 600
tcctctatcc atccctctct atctatatat gtaataatgc agtaagacga cacacat 657

<210> 10310

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B5

<400> 10310

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attgtatttt agtatctcaa gcaatagata atgcagttgt aactggggggg cagtagtatc 120
acaagtgcgg agtaagctgt ggtgatacaa caccttgtgc agaatccctt gctctttcaa 180
actcatcgcc aagaaagcaa catgttaaag cacaagtgc ttacatacat cacatcttct 240
cccccttggt ccactattct gcattaacct tgttgtatgt cagaaatgct ccttgtggaa 300
ttcgaatttt gttgtagact tgccattgaa ttcataacag agcttgctta gttcctgtgc 360
cagaactgga gccccgcagt agaacactcc tatcttagca tatggatggt tgggtggctat 420
cttagataag accttttttaa aatttggcct tgcaaaatgt gtccgcactt tagttccaga 480
aactatatca acaccattct tggcatgggt gagagcttgt agcatcgtaa tgagtgcgtga 540
ccgagcatcc ccttnctcgt aaacacttgt gagataattg tgcattctca tgatattcct 600
ctgatctaag tcagcgattt cattcat 627

<210> 10311

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-B6

<400> 10311

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cccgcctgta cgtatagaag aaagaaggaa gaaccgtcac cgtacgtcct cgccagtaca 120
 aataatggcc ctgctcaaag ccgcgcgcgt cgccgatgtg cccaccctgg acgtgggtgg 180
 ggcccccgcc ctggtggcgg ttgccaaaggc gaggagcgcc gcggtgtgtg gcggccggtt 240
 ctcggtgatc ggccaccgcg gcaaggggat gaacgcgctg gcgtcggagg acccgcgctt 300
 gcgggatgtg cgcgagaaca cggtcgcctc cttcaacgac gccgggcgct tccccgtcga 360
 ctacgtcgag ttcgacgtcc aggtcaccaa ggacgggtgc ccaatcatct tccatgacaa 420
 cttcatcttc acacaagacg atggtaagat ttcacaaaag cgtgtggccg atattcagct 480
 ggaagacttc ctgcagtatg ggctccagaa cgagcagggg aagggttgga agcccctgct 540
 tcgcagattg aaggatggca ggatggtgaa ctgggacgtg caatcagagg acgctctntg 600
 aactcgaag agcgttcgac aggtcaatcc aagttgggct taacgtcgag ctga 654

<210> 10312

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B7

<400> 10312

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 ttagccctcc ttgcgcttct tgccctttta gtgagcgcaa caaatgcgtt cattattcca 120
 cagtgtcac ttgctcctag tgccattatt ccacagttcc tcccaccagt tacttcaatg 180
 ggcttcgaac atccagccgt gcaagcctac aggtacaac tagcgcttgc gcgagcgcc 240
 ttacaacaac caattgccca attgcaacaa caatccttgg cacatctaac cctacaaacc 300
 attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca cctagccgtg 360
 gtgaacctg tcacctactt gcaacagcag ctgcttgcat ccaaccact tgctctggcg 420
 aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt gctcagtcaa 480
 ctagccatgg tgaacctgc cgtctaccta caactacttt catctagccc gctcggggtg 540
 ggcaatgcac ctacgtacct acaacaacag ttgtgcaac aaattgtacc agctctgact 600
 cagctagctg tggcaaacc tgctgcctac ttacaacagt tg 642

<210> 10313

<211> 295
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-B8

<400> 10313

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ttgcacaaca tttcgccagt ccacaccttg tgaactaacc ttggggcccg tgcagctttc 120
tgggtccatga gcggctaaat agttgggggtt ttctgatgca ttggaggtgg atgaatgaat 180
acagtaatgt ggcgttgctt gctttacttg aaaacagcac ttcaagactg gcaactcgcc 240
tgtagtaatg ggtgtttgct gccggtttgt tgtttggcct ggccatttg tccgc 295

<210> 10314
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C1

<400> 10314

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caccctctga ctcgacgtca tcttcatcag agcagactac tgatgctgat ggaactacta 120
atggtgatgt atctgaaaat ctgctttctc gaaagccgag ctctgatgag ttaaaggctc 180
ttttggctga ttcggaacga agtaagcttt tgagaagact cagtgaagca aatcaatata 240
accgattcct caagagacag ttgcaaataa aggatgatgc agtcgtaaaa ttcaaagggtg 300
aacttgcggt tttggaacta gaactgcagg ctctgggttg cctagctgaa gaggttgcta 360
attttgatgt tccgttaggg tctaggaaga taaacggaaa atatattcaa tctcatcttc 420
tctocagatt agaagctgtc catgatatga ttatggaaca ggtaaacagt gttgacgctt 480
taaagacca agaaattcct gtctactgga ttggcatggc tgagaatgtg cagatcatgg 540
gttcattcga cggatggta cagggcgagg cgatgtccat ggagtattca ggtgactacg 600
gaagattctc tgcaactctg aagct 625

<210> 10315
<211> 455
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-C10
 <400> 10315

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 ggacgaggtg gagcgcatcc gcgcggccat gggctcggac atcgacgtca gcctggactg 180
 cgccgggttc agcaagacca tgtcgacggc gctggaggcg acgcggcccc gcgggaagggt 240
 gtgcctggtc gggatgggcc acaacgagat gacgctgccc ctgacggcgg cggcggcgcg 300
 ggaggtggac gtggtggcg tgttccggt caaggacacc tggccactgt gcatcgactt 360
 cctgcgcagc ggcaaggtgg acgtcaagcc tctcatcacc caccgcttcg gcttctcgca 420
 gcgggacgtg gaggaggcat tcgaggtcag cgcgc 455

<210> 10316
 <211> 644
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C12
 <400> 10316

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 gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtgtg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcatgttacc 240
 tttatcacc ttgttcctac aacaatcat agccctatta caacagatac ctttggtgca 300
 tttattggca caaaacatca cggcacaaca actacaacaa cttgtgctag caaaccttgc 360
 tgctactct cagcaacagc agtggtcttc cattcaacca actaggttca ttgaactctg 420
 cttattattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
 aatttctttc attcaacaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
 agttgttgcc gttctaccag cacgttgcg ctaacgctgg cacc 644

<210> 10317
<211> 665
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C2

<400> 10317

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ggcgggtgcg gctgccagcc accgcccgcg gttcatctac cgccgcccgt gcctctgcca 180
cctccgggtt acctgccacc tccgggtgcat ctcccaccgc cgggtccacct gccgcccgcg 240
gtccacctgc caccgcccgt ccatgtgcgc ccgcccgttc atctgccgcc gccaccatgc 300
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caacagccgc atccaagccc gtgccagctg caggggaacct gcggcggttg cagcaccccg 420
atcctggggc agtgcgctga gttcctgagg catcagtga gcccgacggc gacgccctac 480
tgctcgctc agtgccagtc gttgcggcag cagtgttgcc agcagctcag gcaggtggag 540
ccgcagcacc ggtaccaggc gatcttcggc ttggtcctcc agtccatcct gcagcagcag 600
ccgcaaagcg gccaggtcgc ggggctgttg gcggcgcaga tagcgcagca actgacggcg 660
atgtg 665

<210> 10318
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-C3

<400> 10318

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ttagccagct agctgcagca aaccgtgctt ccttcttgac acagcaacag ttgctgcctt 120
tctaccagca gtttgccggt aaccccgcaa cctctttaca actacaacaa ttgttgccct 180
ttgtccaact tgctttgaca gaccagcgg cctcctacca acaacacatc attggtgggtg 240
ccctctttta gattgcttat tagttgtaat tcaataataa agtttttttg atgatgtatg 300

tggccaacca gaaataagaa gttacatttc cagattctt

339

<210> 10319

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C4

<400> 10319

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aagatatttt ccattcttat gctccttgct ctttctgcat gtgttgctaa cgcgaccatt 120

tttctcaat actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg 180

accgcttttag tatgtgaaaa ccagccctt caaccctaca ggatccagca agcaatcgca 240

acaagcaact tacctttatc acacctgttc tttcaacaat cgccagccct atctttgggtg 300

cagtcattgg taaaaccat cagggcagaa cagttgcagc aactcgtgct accagtgtac 360

agccaagtag ctctggcaaa cttttcccc tactctcagc aacaacaatt tcttccattc 420

aaccaactgt ctatactgaa ccctgctgct tatttgagc aacaacaact actaccattc 480

agccagctag ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc 540

gcactgaacc cctctgctta tttccagcag caaatactac taccatttgg ccagctagct 600

<210> 10320

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C5

<400> 10320

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cgagggagga ggatcagctg ccgcgatgtt cctcaggatc tctcgtctcg gggcgcggtc 120

tctgcgcgag tctggagcgg agacgagagc tggaaatttg ctaagcagtc caggcatttt 180

gtatcaagct catcttaacc agcattcgac cagagtgcgg aatgtccttt tctcaactgc 240

aacaagtggg gatcaggatg aaagcagtca ggcaaaggat aaaatctcgg taacatttgc 300

taacaaggat ggctcagaaa agacaatacg tgttccagtt ggaatgtcca tgtagaagc 360
 tgctcatgaa aatgacatag agcttgaagg agcatgtgag ggttcacttg cgtgttctac 420
 ttgtcatgta atagtaatgg atgtaaacta ctataacaaa ttagaagatc cagcagatga 480
 agaaaatgat atgcttgacc ttgcatttgg gctcacagag acatctcgcc tcggctgcca 540
 agtgatcgcg aagcctgaac tcgatggtat tcggctggca ttacctgtag ccacaagaaa 600
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<210> 10321

<211> 546

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C6

<400> 10321

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 aagctccagc cgtgctnctg gtagggngctg caggccatcc ngagctccgg cttccggcat 120
 ccaccagacg tccttagaat acggtgcagc gagcagcaag tcgccgagca gccgttccac 180
 cgccgagcag ccgagccggc ggcgggccc gagtcttcta tgtttgcttc tccggtgaaa 240
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 ggatctgcgg ctcatgtcgg ggtggtagag gatcgcgtag tagcaccggg ggccttcggc 360
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 tcgcagccct tctcccttta cgatcgcgcc ctgcgcacga tgggctggac cctttccctg 480
 ctctggggat tgagaggctt cctttctttg tgatggctgg gatttccatg tggggcntgg 540
 gaaggc 546

<210> 10322

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C8

<400> 10322

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcgggat 180
gtgaaaaccc aattcttcaa ccttatagga tccaacaggc aatcgagct ggcattctac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acagcagtta cctttggtgc 300
atttattggc acaaaacatc agggcacaac aactacaaca acttggtgcta gcaaaccctg 360
ctgcctactc tcagcaacaa cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc tacccccagc 480
aatttcttcc attcaaccaa ctgacagctt tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600
aattgttgcc gttctaccag cagctgogc ctaacgctgg caccctc 647

<210> 10323

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-C9

<400> 10323

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gcgcccttggg tagccggtgc cagccggagt agctacaggc agcggcggcg gcggcgggag 180
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cccaccggcc gcctnctccc catcacgctc ggccaggtgt tccagcggat cgacgtgggtg 540
agccgcgact tcgacaacat cgtggagctg gagctcggcg cgcctgggac tctgccgncg 600
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<210> 10324

<211> 585

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-D11

<400> 10324

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gggaagttca tccccattta tctggctcag ggcacccccc agcatgaccc ctctgaggtt 180
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cctgctgttg gtgcatctgg tgattaataa tactactatg acagagccat gctctgtgaa 480
gagtattagt agcagcgctc ataaaagcta cagttccgtc tcttttctca gctatgtaaa 540
acttccaaac tgttcatgct taaactgagg gtttnccttg gtgtg 585

<210> 10325

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D12

<400> 10325

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agagatttgg agcgctgccc tctgtgccag cagcacataa ccacgagaat caggctctac 180
tgatttgaag ccaatgggat tgaaaaatgt tcagaaccag ctttgatgct actgtgcttc 240
atcattttgt aggtgtgttc gtcttgctgc ataggcatat actaagaact agtaccagtt 300
ttagtgtttg gtaacattgt ctcatgatt tcgctacact agttatgcca aaaggaaacg 360

caccagataa taatgtacat aattttcctc cttttatctc ttttgtagg t 411

<210> 10326

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-D7

<400> 10326

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acaatgctca caagctccta tagcttccct tcttcccccg tacctctcac caacggtgtc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg 240
catcttacct ttatcacctc tgttcctcca acaatcatca gccctattac agcagttacc 300
tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctat ctgctgcta 480
ccccagcaa tttcttccat tcaaccaact gacagcattg aactctctg cttatttaca 540
gcagcaacaa ctactaccat tcagccagct agctgggtg agccctgcta ctttcttgac 600
acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca cctcttta 658

<210> 10327

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D8

<400> 10327

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atctggagag gctggagcgg ctgcgggtga gcgagctgca acgggagccc gctaaccgcg 120
gtgaccgcct ctttcagtc caccgcgtcc gccacatgct cgacctcgtc gtctccacct 180
ccggcaagct cgtggaaatt tacgaggaca aggacaatgc taggaaggat gagatcaaca 240
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agatccgtga atatcatcgg cggaacccat ctgcccgctt tgtagtaca actgatgact 360
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 ctcttggtgg atcttggtgg tgtagatgga aacttttggc cgttaccttg acttgcatga 480
 gctttataat gagttcataa attccaagtt cggaacactg atggaatatt cagcttatgt 540
 tggctgtttc tcccagacgg acaagatctc acatagtcac aaagctacca gaaaatacag 600
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<210> 10328

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-D9

<400> 10328

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 caactgcttg catccaacgc acttgctctg gcaaacgtag ttgcaaacca gatacaacaa 180
 tagctgcaac tatttctgcc agcgtcaga caactagcca tgggtgaaccc tgccgctac 240
 ctacaacagc aacaactgct ttcattgtagc ccgcttgctg aggccaatgc acctacatac 300
 ctacaacaat caattgttgc aacataatgt accagctctg actcatctag tatgtggaaa 360
 accctgctgc ctacttgcaa cagctgattc cattcaacca actgactgtg tcgaactctg 420
 ctgtgtacct acaacagcga caacagttac ttaatccact tgcagtggct aacctattgg 480
 tcgctgcctt cctacatggt acaccggat ttaaaaaggc aaaccgaatg cta 533

<210> 10329

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E1

<400> 10329

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tcgttctcgt cgtgtgcctg gctctgtcag ctgccagcgc ctctgcaatg cagatgccct 120
 gcccctgcgc ggggctgcag ggcttgtacg gcgctggcgc cggcctgacg acgatgatgg 180
 gcgccggcgg gctgtacccc tacgcggagt acctgaggca gccgcagtgc agcccgtgg 240
 cggcggcgcc ctactacgcc ggggtgtgggc agccgagcgc catgttccag ccgctccggc 300
 aacagtgtctg ccagcagcag atgaggatga tggacgtgca gtccgtcgcg cagcagctgc 360
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 tgatgcagca gcagcagcag ctgctggcag ccagggtct caaccccatg gccatgatga 480
 tggcgcagaa catgccggcc atgggtggac tctaccagta ccagctgcc agctaccgca 540
 ccaaccctg tggcgtctcc gctgccattc cgccctacta ctgattcatg atatttggga 600
 aatctcctct atccatctct ctctatctat atatgt 636

<210> 10330

<211> 556

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E10

<400> 10330

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 gcaaagcgcg cacggcacag gngggcagcn agcaagggcg acgccgccga accnccncc 120
 nccgagcacc cccagagcng cggcggcgcc cnnanggcc a gcagagnnca ccagaggcac 180
 cgnccggggc nngnacgncc gccggaccgg cccaagcagc agggaganga nncagccggg 240
 gagaccnnac gangagcngg gcagaagacn caccagngac naccggngn acganggccg 300
 nggcnccgac accgcccng ncgncgcac gcagggganc accgncncg ncggnaacgc 360
 gcaccagcng nncaccancg ngnncgagac cgggaggggc aagggcncca cgcncncan 420
 caacgggang gngacggaag ggnccgacga gggggcggnc nacggcgga cgggagcgnn 480
 ngcganggcc accggcnca ncagaaggaa gaacnnnnn gccggnggcg gngacagngg 540
 cgggaacccc gacgag 556

<210> 10331

<211> 648

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-E11
 <400> 10331

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tcctatagct tcctttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa  180
cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc  240
acccttggtc ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt  300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta  360
ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta  420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct  480
tcattcaac caactagcag cattgaactc tcctgcttat ttacagcagc aacaactact  540
accattcagn ccagctagct ggtgtgagcc ctgctacctt cttgaacaac cacagttggt  600
gccgttcacc agcacgttgc gcctaacgct ggcacctct tacactgc                   648

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<210> 10332
 <211> 599
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-E12
 <400> 10332

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cctactcgcg tggccgcagc cccagggccc cgcccagca acgcccgcgc cgccgcgccg  180
gcccggtcag ccgtcggagg ctatcaggaa ggtggtgttc gggggtcagg tcaccgagga  240
ggaggccgac agcctcacca agaggaagcc gtgtccgcg cccaagtgga aggagatgac  300
tgggagcggc attttcgctg ccgggagcaa tggagacgct ggggaggcag ctgctgccgc  360
gaagcccgcc cgaacctcct cgcgccaggc gagcagtact gtaagccaca tctcgttcgc  420

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tgaggatgga accgatcctc ccaaaaagcc cacatcagta gctgaggtgg caaagcagcg 480
 tgagcttagt ggcactcttc aaagcgagggc ggatagtaag acgaagaagc agatctcaaa 540
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<210> 10333

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E2

<400> 10333

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 atcgcttgct actgccgat tccatggcag gggtagaccc ggtttttcat gtctctatgt 180
 tgaggaagtt cttgcgggat ccggaccatc agattgagat ggaaccaatt gcggtgcagc 240
 aggatctgac tctggagtgt cgttcggtgc gtatattgga attctcggag cgtgtgttga 300
 ggaagagatc aattaagtat gtcaaggtct tatggactaa tcagtctgag cgcgaggcta 360
 catgggaact tgaggagctg atgcggcaga agtaccggga acttttcggt gtgggtggtg 420
 gacttccgga tcgttcttag ggattttgcc caaacttcg gtgaaggcac ctaatttctg 480
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 ctttaaatg ttgttaatca gagttgtca agtccagtga attactntgt tcttggttga 600
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<210> 10334

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E3

<400> 10334

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 aaaaaaaaaa aaaaaaaaaa gggatgccaa ctttatagga accaaaattg cgatcaccca 120

aacaataaaa cactaggggg gcttcttttc tgggggcgct acctggttat tacctcgggc 180
 gtgtgcccaa ctctgcgcgt ttttgggaaa tccccgtatt tccccctctt tgtccccctg 240
 tagcccaccc ccttttttggc agttcccgtg gtttcccaaa gtcccgggcc gttcgccctt 300
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<210> 10335

<211> 289

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E4

<400> 10335

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 cagtttctgc caacgctcag tcaactagcc atggtgaacc ctgcctccta ccaacaacac 180
 atcattggtg gtgccctctt ttagattgct tattagttgt aattcaataa taaagttttt 240
 tggatgatgt atgtggccaa ccagaaataa gaagttacat ttccagatt 289

<210> 10336

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E5

<400> 10336

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 ctacacaact tgctcagagg ctcaatttgc ctaatgtttt gcagacggac atggtgtatg 180
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 ttaattcacc tgaagagctt atcactgaat tctgcagaga atgcagagtt gtacgcaagg 300
 gtttggctgg cgatttgaag aaggccatga aagatgggaa accaattatt atagagggaa 360
 tacatttgga tocaagcatt tatcttatgg atgaggaaaa gagtgatggt aattccagga 420
 cggagaagac agtaacagat tctgaaaatc caggcatctc tgtagaaagg aaggttgaac 480

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 tcgtcaaaaag caaaaaaagc acanctggag aaaggtagaa cccagtgaag tctatcttat 600
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<210> 10337

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E6

<400> 10337

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 ccctcatcgc gcttttcggt gcagcaacca cagccatggt gacgacggcg aggaaggcgg 180
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<210> 10338

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-E7

<400> 10338

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 gttcacctgc cacctcgggt gcatctccca ccgcgggtcc acctgccgcc gccggtccac 180
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cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 300
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 agcggccagg tcgcgggggc tggtggcggc gcagatagcg cagcaactga cggcgatgtg 600
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<210> 10339

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E8

<400> 10339

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 ctgctntttt gongcagcat ctgttaccat tcagccagct ggctactgcc tactctcatc 480
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<210> 10340

<211> 611

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-E9

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cgggtaccagg cgatcttcgg cttggtcctc cagtccatcc tgcagcagca gccgcaaagc 600
ggccagggtcg c 611

<210> 10341

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F1

<400> 10341

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caggccagct ggcgcggagg atctcgcgaa cggcgcgaaa gaccgggagg ggctccgcc 180
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cgaactcagg gaggacggcg agacggcggt cggcggcagc accgcgagat ctgcgttcgg 360
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cgaggaagga cgttctcgcc aaaggattct ttcttttgcg gctaaaagat acgtaaagtc 540

aattgaaagt aatcctgacg accctgatgc atattataa ttgggtctta gtnctccagn 600
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<210> 10342

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F10

<400> 10342

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ccatgataca gcagatgcag cagccttgca atgagtgcga ggggactgga gagagcatca 180
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aatcagaccc tgggtgaagtt gttaaacctg accaattcaa ggcgattaat gatgagggga 540
tgccaattta ccagaggcct ttcattgaagg ggaagctgta catccatttc acggtggagt 600
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<210> 10343

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F11

<400> 10343

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tcattccaaa caacatcatc cacaacacaa acaacatcaa ccaccaccac aacatcacca 240

gcagcagcaa caccaacaac aacaagttca catgcaacca caaaaacatc agcaacaaca 300
agaagttcat gttcaacaac aacaacaaca accgcagcac caccaccaac aacaacaaca 360
acagcaccaa caacaacatc aatgtgaagg ccaacaacaa catcaccaac aatcacaagg 420
ccatgtgcaa caacacgaac agagccatga gcaacaccaa ggacagagcc atgagcaaca 480
acatcaacaa caattccagg gtcatgacaa gcagcaacaa ccacaacagc ctcagcaata 540
tcagcagggc caggaaaaat acaacagcaa caatgtcatt gccaggagca gcaacagact 600
acaaggtgca gctataacta ctatagcagt agctcaaadc taaaaaatgt catgaattcc 660
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<210> 10344
<211> 454
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-081-Q1-K6-F12
<400> 10344

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gttgtgtgag gccaacctcc cgttcgaccc tgtcctgtct tccctccacc ttatgacaca 120
ttgtcggcgt tcactagtgc aaagaacttg ttgttctgtg agggcaatct tttccaagtt 180
tggaggaacg caagttgcac ttttactttg cagttgcctt caagagggtca tgttcatgtt 240
gcgtaaaatg agatattttgt gctagagtat taccctcaac agcagccttg ctgggatgtg 300
gtgaacaacc tgtgaggata ctcacttttc tttggaagga accatgccaa gtgcatgtat 360
gcacaggggtg ttccaatatt gatgggcaac tgtgtatact ggataggtgg gcgccgtngg 420
gatctaagca ttgactttgt catggaatct ggga 454

<210> 10345
<211> 624
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-081-Q1-K6-F3
<400> 10345

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aacaagcaat cgcagcaagc aacatacctt tatcaccctt gtttcaacaa tcgccagccc 120
tatcttttggc gcagtcattg gtacaaacca tcaaggcaca gcagctgcag caactcgtgc 180
tacctgtgat caaccaagta gctctggcaa acctttctcc ctactatcag caacaacaat 240
ttcttccatt caaccaacta tctacactga accctgctgc ttatttgcag caacaactat 300
taccattcag ccagctagct actgcctact ctcatcaaca acaacttctt ccatttaacc 360
aattggccgc actgaacctc gctgcttatt tgcagcagca aatattacta ccatttagcc 420
agctagctgc agcaagccgt gcttccttct tgacacagca acagttgctg cctttctacc 480
agcagtttgc ggctaacccc gcaacctctt tacaactaca acaattgttg ccctttgtcc 540
aacttgcttt gacaaacca gcagcctcct accaacaac atcattgggtg gtgcctctt 600
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<210> 10346

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F4

<400> 10346

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gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
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tacctttatc acccttggtt caacaatcgc cagccctatc tttgggtgcag tcattggtac 300
aaaccatcaa ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc 360
tggcaaacct ttctccctac tatcagcaac aacaatttct tccattcaac caactatcta 420
cactgaacct tgctgcttat ttgcagcaac aactattacc attcagccag ctagctactg 480
cctactctca tcaacaacaa cttcttccat ttaaccaatt ggccgcactg aacctcgctg 540
cttatttgca gcagcaaata ttactacat ttagccagct agctgcagca agccgtgctt 600
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<210> 10347

<211> 621

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F5

<400> 10347

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ctcctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcatagaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctacctgt tgctacccc caacaatttc 480
ttccattcaa ccaactggca gcattgaact ctcttgctta ttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt 600
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<210> 10348

<211> 293

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-F6

<400> 10348

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aatcggtcac aacttcagta caaaactaca caggcaagac actgctgat acagtgcgat 120
agccgctgcc atcctctctt cgcttcgcgg gtggcaacct aatgccttga ggttttgctc 180
aaccaaatgt cgccaccagg aactccttgt aaacgctcat gaacttggcc acgaaagctg 240
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<210> 10349
 <211> 644
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-F7

<400> 10349

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 aaggagcacc agccatggtg cacgtcaact tctaccgcaa ctatggtaag acgttcaaga 120
 aaccaaggcg tccttatgag aaggagcgtc ttgatgctga actgaagctg gttggtgagt 180
 atgggctgag gtgcaagcgt gagctttgga ggggccagta tgcactgagc aggatccgta 240
 atgctgcaag gcacttgctc acccttgacg agaagaacct ccgtcgtatc tttgaggggtg 300
 aggcacttct tcgccgcatg aaccgctatg ggctgcttgc tgagggtcag aacaagcttg 360
 attatgttct tgccctcacc gctgagaact tcctcgcaag gcggcttcaa acacttgtct 420
 tcaaggctgg catggccaag tccattcacc atgctcgtgt cttgatcaag cagcgtcaca 480
 tcagggttgg caggcaaatt gtcaacgtcc catcattcat ggtgaggngt ggagtctgag 540
 aagcacattg acttttctact gtcaagccca ttcggtggag gccccgcaga aagggtgaag 600
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<210> 10350
 <211> 643
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-F9

<400> 10350

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 caactgcttg catccaacgc acttgctctg gcaaacgtag ttgcaaacca gcaacaacaa 180
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 ctacaacagc aacaactgct ttcatttagc ccgcttgctg tggccaatgc acctacatac 300
 ctacaacaac aattgttgca acatattgta ccagctctga ctcagctagt tgtggcaaac 360

cctgctgcct acttgcaaca gctgcttcca ttcaaccaac tgactgtgtc gaactctgct 420
gcgtagctac aacagcgaca acagttactt aatccacttg cagtggctaa cccattgggc 480
gctgccttcc tacatgtcac acccggtttt aaaaaggcaa accgaatgcg aacctgtac 540
gtgccaggat cagttattca cgtacacagc agttacataa tatggacatc atcacacagt 600
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<211> 618
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-081-Q1-K6-G1
<400> 10351

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aatgtctgca agctcctata gcttcccttc ttcccccgta cctctcacca ggggtgtctt 180
cggatatgtga aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacaa cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
accttgctgc ctactctcag caacagcagt ttctttcatt caaccaacta ggttcattga 420
actctgcttc ttatttgcta caacaacaac taccattcat ccagctacct gctgtctacc 480
cccagcaata tcttccattc aaccaactag catcattgaa ctctactgct gatttacagt 540
agcaacaact actaccattc atccagctag cttgtgtgag ccctgtacct ttttgaacaa 600
cacagatttg ccgtctac 618

<210> 10352
<211> 631
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-081-Q1-K6-G12
<400> 10352

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gcgaccaaga tattttccct ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
acaattttcc ctcaatgctc acaagctcct atagcttccc ttcttccccc ataccttcca 180
tcaatgatag cttcagtatg tgaaaaccca gctcttcagc cctataggct ccaacaagca 240
atcgagcaa gcaacatacc tttatcacc ttgttggttc aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
gtgatcaacc aagtagctct ggcaaacctt tctccctact ctgagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca 480
ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
gccgcactga accccgctgc ttatttgcag cagcaaatac tactaccatt tagccagcta 600
gctgcagcaa accgtgcttc cttcttgaca c 631

<210> 10353

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-G3

<400> 10353

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ttgctttagt atcaagtgtt tcttgtacac agacaggcgg ctgcagctgt ggtcaacaac 180
aaagccatga gcagcaacat catccacaac aacatcatcc acaaaaacaa caacatcaac 240
caccaccaca acatcaccag cagcagcaac accaacaaca acaagttcac atgcaaccac 300
aaaaacatca gcaacaacaa gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc 360
accaccaaca acaacaacaa cagcaccaac aacaacatca atgtgaaggc caacaacaac 420
atcaccaaca atcacaaggc catgtgcaac aacacgaaca gagccatgag caacaccaag 480
gacagagcca tgagcaacaa catcaacaac aattccaggg tcatgacaag cagcaacaac 540
cacaacagcc tcagcaatat cagcagggcc agggaaaaa caacagcaac aatgtcattg 600
ccaggagcag caacagacta caaggtgcag ctattactac tatagcagta gctc 654

<210> 10354
<211> 635
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-G5

<400> 10354

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gtacctagtg acagtggatg tacattcaat gttgcacca atatgaaggc gcttgaaatt 180
gctgagaaaag ccagggatgc tctcctaagt ggaaagtgtg accagggtacg tgtcaacctg 240
ccaaatggtg acatggttgg tcacactggt gatattgagg ccaccgtagt tgcttgcaag 300
gcagctgatg aagctgttaa gattattttg gatgctgtcg agcaagttgg tggatattac 360
cttggtaccg ccgatcatgg caatgctgag gatatggtga aaaggaacaa gtctggcaag 420
ccgttgctcg acaagaatga ccgtatccag attcttacct cgcataccct tcagccggtc 480
ccggttgcca ttggaggccc tggccttcac cctggagtga aattccggaa cgacatccaa 540
acctctgggc tcgccaacgt agccgcaacc gtgatgaacc tccacggatt tgaggctcct 600
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<210> 10355
<211> 588
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G6

<400> 10355

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caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aattatagct 180
tcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
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gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
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<210> 10356

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G7

<400> 10356

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cagcacgaac catctgcctt cagctcatac ttgctttaac caactagact tgcctgagta 180
cacatccaaa gagcagctcc aggagcgggt actattggca atccacgaag caaatgaagg 240
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agcagcacgt gtgtggctga tcacattatg aactccacgt gtgtgatgag agatggccgg 360
agagaacatg tccaggatag acgaatgcc gtgggagagg tactactgtt aagagagaga 420
gcgactatct tgtgtttata atctttgtct gtttgtagtt tttgccttac attggtcggt 480
gctccgaagt ttttccccct cttttcgttc atagactggg gtaagttgta accgaacatt 540
atgtcaaatg caggctcatc tacgctggaa tgttatacct cccctaatac gttaaaacaa 600
ctgtaaattc cgaagactat ttattctaata 631

<210> 10357

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-081-Q1-K6-G9

<400> 10357

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tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 120
 ccattcagtc agctagctgc tgccataccc cagcaatttc ttccattcaa ccaactggca 180
 gcattgaact ctgctgctta tttacaacag caacagctac caccattcag ccagctagct 240
 gatgtgagcc ctgttgccct cttgacacaa caacagttgt tgccgttcta cctgcacgct 300
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 ttgacaaacc caacagcggt ctaccaacaa cccatcattn ggtggtgccc tcttttagat 420
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<210> 10358

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H10

<400> 10358

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 accaacgttt cttttcgctt ggtgtgcccc ttaattcggg ttcccttgcc cgcccgcttt 180
 acatccgttg agagtggcgc gagccctgcc accttcccc cttgggttagc ccctggcgct 240
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<210> 10359

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H3

<400> 10359

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 gcagctgcac ccccaacgagc acacccgagg caatcgaaac gcagaccgct ggcagtaaca 240
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<210> 10360
 <211> 642
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-H4
 <400> 10360

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 tgctcacttg ctctagtgc cattattcca cagttcctcc ctccagttac ttcaatgggc 180
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 gcataccaac aacaacaaca attgcaacag tttctaccag cgctcagtca actagccatg 480
 gtgaaccctg ccgcctacct acaacagcaa caactgattt catctagccc tctcgctgtg 540
 gttaatgcac ctacatacct gcaacaacag ttgctgcaac agattgtacc agctctgact 600
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<210> 10361
 <211> 631
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-081-Q1-K6-H6
 <400> 10361

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ttttcccgca atgtcacaa gctcctatag ctcccttct tccccgtac ctctcaccag 180
cgggtgtcttc ggtgtgtgaa aacccaattc ttcaacccta cagatccaa caggcaatcg 240
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atttacagca gcaacaacta ctaccattca accagctagc tgggtgtgagc cctgctacct 600
tcttgacaca accacagttg ttgccgttct a 631

<210> 10362

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-081-Q1-K6-H8

<400> 10362

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tctaccgccc ccgggtgcat tgccacctcc ggttcacctg ccacctccgg tgcattctcc 180
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<210> 10363

<211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-081-Q1-K6-H9

<400> 10363

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atgctcacia gtcctatag ctctctttct tccccatac ctctcaccag cggtgtcttc 180
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<210> 10364
 <211> 634
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-A12

<400> 10364

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cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
accttgttct ctccaacaat catcagccct attacaacag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
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ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
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 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttggt 600
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<210> 10365

<211> 643

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-A2

<400> 10365

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 tcgcaagctc ctatagcttc ccttcttccc ccgtacctct caccagcggg gtcttcggta 180
 tgtgaaaacc caattcttca accctacagg atccaacagg caatcgcagc tggcatctta 240
 cctttatcac ccttggttct ccaacaatca tcagccctat tacaacagtt acctttggtg 300
 catttattgg cacaaaacat cagggcacaa caactacaac aacttggtgt agcaaacctt 360
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactaggttc attgaactct 420
 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480
 caatttcttc cattcaacca actagcagca ttgaactctc ctgcttattt acagcagcaa 540
 caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca 600
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<210> 10366

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A3

<400> 10366

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gcactgatgc acacttgtgt ttgtgtagag ggcgattgg ccagcttata tagcatccga 120
aagacaagtc actcacacgc acattcgcat tggctaacag aagctatttg gaatgcagtg 180
cactcgacta acaacgtagg taacccccgt ctcttggtt tgccgattgc atcgccatca 240
tatgtcagca gcaaggaagt tgccagacaa ggaaaccttc tcgccaggct tgaatggtgg 300
aagacctctg tagggacagg ttccacagcg gaaggcatca cccaaccac aactgccaca 360
agctgactga gggttattga tctgctccgc agtgagctcc agcttccaa ccttctctc 420
ggcctcagcc ctgccacaag tacagttctt gcatgcttcc tttgctgcc ccacctcaca 480
gtccccaaca actggaagtt gtggtttctt caggctcttc tcagtcaaga gactgtcttc 540
atcaatcaga tcagagtcgt cgtcaatttg aatcttgga agggctttcg ttgtttctt 600
aaggggaaaa gagcacccat gctcc 625

<210> 10367

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A4

<400> 10367

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tagctagttc actcgtttag cggcgatgag taacggagtg tcacccatca ccatgggtgg 120
cagtgtgagc aatgacctga atgaaccatt gaaatggaaa ggaataatat atagggaaaa 180
ggatgttttg aaaaaaaaaa aaaaacaaaa aaaaaaaaaa aaaaaaaccc cacact 236

<210> 10368

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A6

<400> 10368

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gtggcccaag taagtgagcg agcgtgcgag ccgcctccc tccctcccag cggcgctctc 180

gatctcgaat ctccccgccg ccctccgccg gctccgtgcc cgtgctgact gcggcctgct 240
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ccgccaagga gacgtgctac ctgctgcagg ggaagggtgaa ggtgtacccc gaaggccacg 360
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gcacctggga cgtcgccgag gccgtcgaca agcactacaa cttcgagtag ccgccgccgc 480
cgactagccc tgcggcgctc gatgtagact tgctgtgctc ttgtactctg aaccaccgtg 540
taataaagct ccggattagg gtactacaat actgtactat ctgtttcaga tcccgttcgg 600
ttagctgtga ttaagacctg aaactattcc agctgatcag tt 642

<210> 10369

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A7

<400> 10369

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tccaccttgc gtacgcgagc cgaacgctcg tgggtcctgc agcctccgtc tccacctagg 120
gttctggcga tggcgcacgg cggctacca cgcgcggcg ccgccgtacg caggcccaag 180
tctcggcct ctgccgcagt tgccgaccgc aagcgggaagc ggaccgccgc cgcgcgcaag 240
accacctccc ttaagaacca gatccgctcc accgagcgct tctccgcaa ggaccttcg 300
gatgagatta gggttgctca agagaagaaa ctggaagaac tgaagaggca acaagagctt 360
cagaatcaac ttgctgtcca gcggacatta cagtttagag atagaaagat aaaattcttt 420
gagagacgga agattgagag gatgataagg cgactcgaga agaacaacgt tcaaattggtg 480
atggtgtcaa caataatctg tcaaaattgc gagaagatct tgaatatgtt agattcttcc 540
ctaagaatga gaaatatgtc tcgctgttca ctggagggaa cagtcaagat attgttcaag 600
agaggataaa tggcgcaaac agatcaag 628

<210> 10370

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-A8

<400> 10370

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ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgetca cttgctccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa cttagcgttg 240
cggcgagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
cctacaaaac cattgcaacg caacaacaac aacaacaaca gtttctgcga tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag ttatgcccag 480
tgctcagtc actagccatg gtgaacctg ccgtctacct acaactactt tcctctagcc 540
cgctcgcggg gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct 620

<210> 10371

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-A9

<400> 10371

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ccttatgctc cttgggtcttt ctgcaagtgt tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg 180
tgaaacccca attgttcaac cctacaggat ccaacaggca atcgcaacag gcactctacc 240
attatcacc cttgttctcc aacaaccgtc agccctatta cagcagttac ctttgggtcca 300
tttgggtggc caaaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgcatactct cagcaacatc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
tgcttatattg caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatn 480

tcttccattc aaccaactag cagcattgaa ctctgctgct tattacagca gcaacactac 540
 tacattcagc cagctagctg atgtgagccc tgct 574

<210> 10372

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B10

<400> 10372

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 attttccctc aatgctcaca agctcctata gcttcccttc ttccccata ccttccatca 180
 atgatagctt cagtatgtga aaaccagct cttcagccct ataggctcca acaagcaatc 240
 gcagcaagca acataccttt atcacccttg ttgtttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtacaaac catcagggca cagcagctgc agcaactcgt gctacctgtg 360
 atcaaccaag tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattc 480
 agccagctag ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
 gcactgaacc ccgctgctta tttgcagcag caaatactac taccatttag ccagctagct 600
 gcagcaaacc gtgcttnctt cttgacacag caacagttgc tgcccttc 648

<210> 10373

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B12

<400> 10373

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 gtccaaatag tctgatggc caagatatct gttcttacct cttgtctggc gattctctct 180
 cctattctgg ggcatatata gctgattttt cgtgtttag gtcagggtcat tttatatatc 240

accggagctg tacggtgtca tggtccttgt gcttgaggat ctagggggg cacttgatc 300
tcgaacaagt tcttacatcg cgctttcggt ccatct 336

<210> 10374

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B2

<400> 10374

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ttgctcgtga tttgtgtaac tacggagcaa gctgcataca gcacaagata gaagatgggt 120
atccttgaga ggatcaagga gattgaggcc gagatggctc ggactcagaa aaataaagca 180
acagaatatc atcttgaca actgaaggca aaactagcaa agttgaggac acaactatta 240
gagcctccaa agggttccag cggaggtgga gatgggtttg aagtcacaaa gtttgggcat 300
ggtcgtgttg cacttattgg atttcccagt gttggaaagt caactctttt aacgatgttg 360
actgggacac attctgaagc tgcacatat gagttcacia cgcttacttg cattcctgga 420
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gcgctgatgg ttctggatgc ctcaaagagt gaaggacatc gtcaaattatt aactagagaa 600
ctggaagctg ttgacttcgt ctaacaa 627

<210> 10375

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B3

<400> 10375

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catcctcatc cccactcata ccccgcatc cactccggc ctatccaacc ctgttctagt 120
cgaaacccta caccgcccgc ctccacaccc taatcctacc cccgtggcgg cagcagcaga 180
ggaggctgac gatgactggc tcttaggagg gagcgaaccc ataccggggg tcgacccgac 240

cggcgattgg gccgacgagg acgacgatgg aggggagccc gcacctcccg cgaagcggtc 300
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 ggaggatgaa ggagacgacg aagacggtga ggacctcgtc atcgtcgccg acggaccagc 540
 gatggaggag caggattggg gagaggaccc agcagcggca ggtgcagaag gagagcgaat 600
 gacggaggtg agcctggtaa gaacgtggca gca 633

<210> 10376

<211> 619

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B4

<400> 10376

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 cagcagccca tgccaatggg tggtcagcaa cagggtgttcc ctagagggtgg tcgtggctat 120
 cgctatccta ctggacgtgg aatgcctgat cctggcatgc acagtgttgg tgctgtgatg 180
 ccaccttcat atgagatggg agggatgcca atgagagaag ctgccccca acctgttcca 240
 attggggcgc tagccactgc acttgctaac gccccaccag atcagcagag acttatgctt 300
 ggtgagaacc tgtatcctct tgttgaacag ctggaacgtg agcaggctgc caaggctact 360
 ggcatgcttt tggagatgga tcagacggag gttcttcacc tgctggagtc gccagatgct 420
 ctgaaagcca aggttgctga agccatggag gtctccgct ctgccagca tctccagcag 480
 agcaatgttt ctactgagca gcagctggct aatctatcat tgaatgatgg cgtcgtctcc 540
 agctgaacgt taatgtttct gatgtttcng aagtgtgcc agtttttgcg tgatactacc 600
 ctatctagag tgtaatgac 619

<210> 10377

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-B5

<400> 10377

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caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
tcaatgtgtg aaacccaat tgttcaacc tacaggatcc aacaggcaat cgcaacaggc 240
atcttaccat tatcacctt gttcctccaa caaccgtcag ccctattaca gcagttacct 300
ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta tttacagcag 540
caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgaacaac 600
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<210> 10378

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B6

<400> 10378

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gcttccattc aaccaactgg ctgtgtcaaa ctctgctgcg tacctacaac agcgacaaca 120
gttacttaat ccattggcag tggctaacc attggctgct accttctgc agcagcaaca 180
acaattgctg ccatacaacc agttctcttt gatgaaccct gccttgacgc aacccatcgt 240
tggaggtgcc atcttttaga ttacatatga gatgtactcg acaatgggtgc cctcataccg 300
acatgtgttt cctagaaata atcaatatat tgattgagat ttatctcgat 350

<210> 10379

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-B7

<400> 10379

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cgtctagcag cagccaccgc cgcctcatcc tgcagccgc cgtcctgctc tccgtgctcg 120
cggctgccag cgccagcgcc gggacctcct gcggtgccggg gtggggccatc ccgcacaacc 180
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ccacctcgt cacggaggcc gagtgcaacc tggccaccat cagcggcgct gccgaatgcc 480
cctggattct cggcggcgga acgatgccct ccaagtaact gcgaagagca tagtgcata 540
ggaatgagct ttagctagc tcatatgtct gaataataag cacagcaaga agatgaatgc 600
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<210> 10380

<211> 627

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-B8

<400> 10380

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ggagaaaatg accaaaacaa ccaactagag gaaccgtaca ttcaaccttt tattcttcgg 180
ctactcatca tatggcttgt tgattgttca aatgctgtca actgcctttt ggaatcagcg 240
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cgtgatgcct ttgccgtggc agatgctata agtcaaaaga ttggcctcac aacatacttc 420
ttgaggtttg atgaactgag gaaaagcttg gcacatccgt tgtcagagca gcatcaccgc 480

aaggagcttt cccgatcaag tgccaatagc atgtcagatt tccaagagat tgaagaggat 540
 gaaacaaata anggcgatca acaccctgtg ctttcagaaa tatttgattc acagtttggt 600
 aatttactta ctaagcttga tgctgat 627

<210> 10381

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-B9

<400> 10381

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 ctgtgcagaa gatgggtgat ccctacttgc ctgaagagat gcggaaccca aattcattta 180
 agtggatgct gcagaatcca atgtaccgcc aacaactaca ggatatgcta aataacatgg 240
 gcgcaactcc tgatcaatgg gataaccgca tgcttgatca ccttaagaac ttcgacctta 300
 gcagtccaga agtgcggcag cagtttgccg aagttggcat gactcctgag gaagtagtat 360
 cgaaaataat ggcaaaccca gatgtagctg ttgcattcca gaatccaaaa atacagacag 420
 ccatcatgga ctgctcgag aaccctctta acattgtaaa ataccaaaat gacaaggagg 480
 tcatggatgt tttcatgaag atatcacaaa tcttcccca aattaacggc tagctgatct 540
 tcgtcgtgag atagcacttg tgtattttgt cggcccgctc tctccagtct ggagggctgc 600
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<210> 10382

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C10

<400> 10382

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 ctaaaaaacg ttcctacacc agcgtactct gcttccttaa tccattggca gtggcctaac 120
 ccattggctg ctcccttccg gcagcagcat caacaattgg tgccttttat ctcaattctc 180

tttgatgaac cttgctttgg tgttaccgt cgttgggggt gccatctttt agattccata 240
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<210> 10383

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C11

<400> 10383

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 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 180
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 gcagcaacaa ctactaccat tcagccagct agctgggtgt agccctgcta ccttcttgat 420
 acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctggca ccctcttaca 480
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 acaaccatc attgggtggg ccctctttta gatttcttat gagttatagt tcaataataa 600
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<210> 10384

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C12

<400> 10384

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 cgggcagcga tccaaggcag ccgtcgacgg cgaagccata cgcgcgcgcg aagctgtcgc 120
 cccaggacct acccatcgac tatgcaggct tctcgccgt cgccttcggc gtctcggcg 180
 tcatgctccg ctacaagggtg tgctcggtga tcgcaatcat cttctgcgct cagtcggttg 240

caaacatgaa gaactttgag aacgatctga agcagctttc tatggccttc atgtttgctg 300
 ttatgggtct ggtgacgaac tattttggcc ccgctcgtcc aggcagtaca aagcgctaaa 360
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 catcggtgct gacattatgt atgtccaatt tgagcaaacg tcataggtat gggcatcaaa 480
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 tagactgttt gaacgagtac ttggttttctc cggatatgtt gatcaatgtt ttctggactt 600
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<210> 10385

<211> 661

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C2

<400> 10385

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 ccagggggcac gttggatagg tttgttcgat ttgtcagtag accagagggtc ctggagcggg 120
 tcacaaccat agagtctgag atattgcaga ttgaggatgg cattgccgtc cagggcagcg 180
 acagtcttgg gttgagatct gtagtaaggc aagttacaat cctgatgcag atagggcact 240
 tgttccatac aaggctggta cacaaccaat tccaccattg cagaatcatg atgtacaca 300
 ggaggagaat tcaaaggatc aattgctcag agtgctagag actcgcaaaa cagtcttacg 360
 taaagaacaa gctatggcct ttgcacgtgc tgtagcagca ggatttgaca tcgacaactt 420
 ggtgtatctg atcacttttg cagagtgttt tgggtgcttct cgcttgatgt ggtgactgag 480
 tgtctaaagg atgaacctga ggagccaacc ttgggcgcgg tggagaaacc ttaccaggcc 540
 ccctttgcta gggtgacatc gctggcgaat gcatcagaca gcagtcatt acctgaatca 600
 cttgcgcagc caaatagcat taaagctcga gtgcctgagc ctgtgtacac agtttcagtt 660
 g 661

<210> 10386

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C3

<400> 10386

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tttatctttt actaagttca acattgagat ggaccataaa acatacctct gtcccaaaat 120
ataggtactc ctaggtttga gtcaaactgt tttagttttg accagggttta ttacgaaaaa 180
tatctacaca agtacattgt aaaaagttat tttataattg gtatagcgat actaatttag 240
tgttctacat gttgataatt tttactatga tttagtcaac cctaacttcg ttttaacca 300
agaatttttg gatggacaaa atggttcttt caataacce a ttgttttggt ttatatgttg 360
atcagctcat cacaatggct ttgatagtga ctttgctttt taagggtgcag tcaatacaca 420
tggcatctag caaatcatag aagaagctat ttgcagaaga agttatttgc acaggaaaca 480
ccatgctatt gccaccctc tccgtggcac ctgatggatt cgttcttttg ggaaacattt 540
tgttggctag gaaaccact tattccgcgt gggtcaccag catctcttcg aatttgaatc 600
aagtaaaatg tcaaagagaa aacttgttct 630

<210> 10387

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C4

<400> 10387

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cgcgaccgag acacggcggg tgacctgcc cgcgcagtc ggggtgtatg tattaccacc 120
gccagaattc caggagacga ggatcgagga ggcaccgatc cgtagcggcg atatcgtaga 180
gccgctggtc tcacgccgca ccgagacaat ggcagaccag ttagggctctt aactatttag 240
atcccatgga atgatattgg caaggttgca catgtatgac tggataatac ttctctctct 300
tgctgtcata gacgggctgt tgaatataat tgaaccattt caccgttttg ttgggaaaga 360
catgatgact gacttgagat atcctatgaa gggcaataca gtgccatttt gggctgttcc 420
actgattgga attatactgc cttgggccat ctttggtggg atttacttca aaaagaagaa 480
tttttatgat ttgcaccatg gcatactggg gattctatac tcagtgcgtga taactgcagt 540

gattactgat gcaattaagg atggtgttgg acggcctcgt ccagattttt tctggcgctg 600
 tttccctaatt ggaaatgatg tttatg 626

<210> 10388
 <211> 660
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C5

<400> 10388

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 caacctaaca acaatggcta ccaagatatt atccctcctt gcgcttcttg cgcttttttg 120
 gagcgcaaca aatgcgtcca ttattccaca atgctcactt gctcctagtt ccattattcc 180
 acagttcctc ccaccagtta cttcaatggc cttcgaacac ccagctgtgc aagcctatag 240
 gctacaacaa gcgattgcgg cgagcgtctt acaacaacca attgccaat tgcaacaaca 300
 atccttggca catctaaca tacaacccat cgcaacgcaa cagcaacaac agttcctacc 360
 agcactgagc cacctagcca tgggtgaacc tgctgcctac ttgcaacagc agctgcttgc 420
 atccaaccca cttgctctag caaacgtagt tgcaaacag caacaacaac aactgcaaca 480
 gtttctgcca gcgcttagtc aactagccat ggtgaaccct gccgcctacc tacaacagca 540
 acaactgctt tcattctagc cgctcgtgtt ggccaatgca cctacatacc tgcaacaaga 600
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<210> 10389
 <211> 480
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C6

<400> 10389

gcacaagttg ttgtagttgt tgtgctagca aaccttgctg cctactctca gcaacagcag 60
 tttcttccat tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa 120
 ctaccattca gccagctacc tgttgcttac cccaacaat ttcttccatt caaccaactg 180
 gcagcattga actctcctgc ttattttacag cagcaacaac tactaccatt cagccagcta 240

gctgggtgtga gccctgctac cttcttgaca caaccacagt tggtgccgtt ctaccagcac 300
gctgcgccta acgctggcac cctcttaciaa ctgcaacaat tgctgccatt caaccaactt 360
gctttgacaa acctagcagt gttctaccaa caacccatca ttgggtgggtgc cctcttttag 420
atttcttatg agttatagtt caataataaa gttttttgtc tgatgtctgt ggcttcccag 480

<210> 10390

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C7

<400> 10390

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cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactat 120
cagcaacaac aattttcttc attcaaccaa ctatctacac tgaaccctgc tgcttatttg 180
cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca acaacaactt 240
cttccattta accaattggc cgcactgaac ctgctgctt atttgagca gcaaatatta 300
ctaccattta gccagctagc tgcagcaagc cgtgcttct tcttgacaca gcaacagttg 360
ctgcctttct accagcagtt tgcggttaac cccgcaacc tcttacaact acaacaattg 420
ttgccttttg tccaacttgc tttgacaaac ccagcagcct cctaccaaca acacatcata 480
tggtgggtgcc ctctttttaga ttgcttatta gttgtaatta ataataaagt tttttggatg 540
atgtatgtgg ccaaccagaa ataagaagtt acatttccag attctaattg g 591

<210> 10391

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-C8

<400> 10391

tgggcgacca ttttcccgca atgctcgcaa gctcctatag cttcccttct tccccgtac 60
ctctcaccag cgggtgtcttc ggtatgtgaa aaccaattc ttcaacccta caggatccaa 120
caggcaatca cagctggcat cttaccttta tcaccttgt tctccaaca atcatcagcc 180

ctattacatc agttaccttt ggtgcattta ttggcacaaa acatcagggc acaacaacta 240
 caacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc 300
 aaccaactag ctgcattgaa ctctgcttct tatttgcaac aacaacaact accattcagc 360
 cagctacctg ctgcctaccc ccagcaatct cttccattca accaactggc agcattgaac 420
 tctcctgctt atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc 480
 cctgctacct tcttgataca accacagttg ttgccgttct accagcacgc tgcgcctaac 540
 gctggcaccc tcttacaact gcaacaattg ctgccattca accaacttgc tttgacaaac 600
 cagcagcgtt ctaccaacaa ccatcattgg tgggtgccct 639

<210> 10392

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-C9

<400> 10392

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 ctctttcaag aagattgcaa gatccatggg atacggcgag gatgatctcc ctctagtatc 120
 atttcagtct gtctccaaag gatactatgg agagtgtggt aaaagaggag gttacatgga 180
 gattactggc ttcagtgtc cggtaaagaga gcagatctac aaggtagctt cagtgaacct 240
 gtgctccaat atcactggtc aaatccttgc gagcctcgtc atgaatccac caaagggttg 300
 ggacgaatca tatgcttcct acaaggcaga gaaagatgga atccttcagt ctttagctcg 360
 ccgtgcaaag gcaactggaag atgcattcaa cacgcttgag ggattttcat gtaacaaggc 420
 tgaaggagca atgtaccttt tccctcagat ccatctgcca cataaggcaa ttgaggctgc 480
 taaagctgcc aagaaagcac ctgatgcatt ctatgcgtc cgtctccttg aatcaactgg 540
 attgttgttg ttcttggtc tggatttggc caagttcctg gaacatggca cgtcagatgc 600
 acgatcctgc nccgagaaga taaaatcnnc cgcgtgatca ccca 644

<210> 10393

<211> 584

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-D11

<400> 10393

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ccgcagctgc ctgctcgcca ttactgcaag ctgtgttcaa tcaaagctta attaggctcc 120
ctctacatct gatccagcta agtagctagc cagcactaca gaagggcgtg gcaagaatca 180
ggagagagat agcagggggg ctagctagct gagctcgtgc gacgaagaat ggccggaatt 240
ggcaggaaca tggctggcgcc gctcctggtg ctcaacctca tcatgtacat catcgtcatc 300
ggcttcgcga gctggaacct gaaccacttc atcaacgggc agaccaacta ccccgcgctg 360
gccggcaacg gcgcgacgtt ctacttcctg gtgttcgcca tcctggccgg cgtggtgggc 420
gcggcgctcca agctggcggg cgtgcaccac gtgcgcgcct ggcgccacga cagcctggcc 480
accaacgccg cgtcgtcgct catcgccctgn gccatcacgg cgctcgcctt cgggctggcc 540
tgcaaggaga tccacatcgg cggacaccgc ggctggcgcc tgca 584

<210> 10394

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D12

<400> 10394

cagcctagca attagctcat cgactccaga ttggagaact cgacaccatg aagtgctga 60
tcgttgccct tgctctcctg gcgctcgtg cgagcgccgc ctccagtaca agcggcggct 120
gtggctgcca gacaccaccg ttatcatctac cgctccgtt ctatatgccg cctccgttct 180
atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
gcccgtgcca gcagttcgga tcctgcggcg tcggcagcgt cggcagcccg ttcttgggcc 300
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agtgccaggc gctgcagcag cagtgtgcc accagatcag gcaggtggag ccgctgcacc 420
ggtaccaggc gacatacggg gtggctcctgc agtccttcct gcagcagcag ccgcagggcg 480
agctcgccgc gctgatggcg gccaggtag ccgcagcagct gacggcgatg tgcggtctgc 540

agctgcagca gccagggtccc tgcccttgaa cgcagctgcc ggcggtgtct actactgagg 600
aaactatgta ctgtagtaat aatgtaatgg agccgctgac tagctaccta tagggc 656

<210> 10395
<211> 654
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-D2

<400> 10395

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ccatccttat gtccttgct ctttctgcat gtgttgctaa cgcgaccatt tttcctcaat 120
actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgctttag 180
tatgtgaaaa ccagccctt caaccctaca ggatccagca agcaatcgca acaagcaact 240
tacctttatc acacctgttc tttcaacaat cgccagccct atctttgggtg cagtcattgg 300
tacaaaccat cagggcagaa cagttgcagc aactcgtgct accagtgatc agccaagtag 360
ctctggcaaa cttttcccc tactctcagc aacaacaatt tcttcattc aaccaactgt 420
ctatactgaa ccctgctgct tatttgcagc aacaacaact actaccattc agccagctag 480
ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc gcactgaacc 540
cctctgctta tttccagcag caaatactac taccatttgg ccagctagct acaacagccc 600
cgcttncttc ttgacacaca acaagtgtt cgttctacc agcagtttgt ggct 654

<210> 10396
<211> 613
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-D3

<400> 10396

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cacccttggt cctccaacaa ccgtcagccc tattacagca gttacctttg gtccatttgg 120
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcat 180

actctcagca acatcagttt cttccattca accaactggc tgcattgaac tctgctgctt 240
 atttgcaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 300
 cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 360
 cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa cagttgttgc 420
 cgttctacct gcacgctatg cctaacgctg gcaccctctt acaactgcaa caattgctgc 480
 cattcaacca acttgctttg acaaaccctc cagtgttcta ccaacaacct atcattnngt 540
 ggtgccctct tttagattgc ttatgagtta tagttcaa atgaagttt ttggatgatg 600
 tttgtggcgt ccg 613

<210> 10397

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-D4

<400> 10397

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 ggcaggccgg cgggtggctg ctgcactacg cgctgggtgga ggaggagatc cagggtccg 120
 agttcatcta catggtcgac gaccggcgcc tctccagcgt gatactgggg tttgatgctc 180
 ccaggaaaga ggacggcgtc caggacaacc ccggcgccaa gaagagatcc cggccggagt 240
 ccagcgcgcc acccggcacc aaggcttgcc gtgagaagct ccggcgagac aggctcaacg 300
 aaaggttcaa cgagctctgt gccatcttgg aaccggcaa gccaccaag gccgacaaag 360
 tcgtatcct aagcgacgt gccgtctcc tgaaccagct gcaggcgag gccagaagc 420
 ttaagcaatc gaacgaatcg ctccaggagt ccatcaagag tcttaaggct gagaagtccg 480
 agctgcgaga cgagaagacg aggtcaagg ctgagaagna gaggttgag cagatgctca 540
 agggcgctcg cagccacgcc ggggtggctg ctccgggcc ttcgtcccga cctgctgcg 600
 gtcgtccat ctt 613

<210> 10398

<211> 588

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D5

<400> 10398

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gtgcattgtt ccacattgct cacttgcctcc tagttccatt attccacagc tcctgcgggg 180

ggggcttcac tggcctttga acaccagcg gtgcaagcct atcggctaca ccaagcgatt 240

gcggcgagcg tcttacaaca accaattgcc caattgcgac atcaatgctt ggcgcatcta 300

acattacaââ ccatcgcacg gcaccaggaa cgacagttcc taccagcagt gagccaccta 360

gccatggtga accctgtcgc ctacttgcaa cagcagctgc ttgcatgcaa cccacttgct 420

ctggcggacg tagttgcaat ccagcgacag caacaactgc gacagttgct gccagcgctt 480

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agcccgtcgc ctgtgggcaa tgcacctaca tacctgcagc aggaattg 588

<210> 10399

<211> 483

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D6

<400> 10399

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaatTT aaaaaaaaaa 120

aaaaaggggg gggccgtttt taagggttca aatTTTgctt cccgTTTTTT ggaactTTTT 180

TTTTTTTTTT tgggggccct taatTTTatt tctTTggccg ggtTTtaaca cctagtgggg 240

gggaaacccc ttggtttccc ccattTTatt gctTTggaag aacttcccc tttgcccgTT 300

ggggTTtatc ccaaagggcc cccccgTtc cccctTTccc aactTTggcc ccctctggTg 360

gggagtggga cccccTTTT tcggggcTTT ttaatcgggg gggTgggggT gtttcccccc 420

atcggTgcct tttactTTTT tcggggcccta gacccccgTT ttttTgttt tttccccTT 480

ttt 483

<210> 10400
<211> 114
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D8

<400> 10400

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aataaagttt tttgtctgat gtttgtggct tcccagaata agaaagtcatt ttct 114

<210> 10401
<211> 299
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-D9

<400> 10401

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atccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa ttttccctca 120
atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa ttatagcttc 180
aatatgtgaa aaccagctc tacaaccata taggcttcaa caagcaatcg cagcaagcaa 240
catacctgca tcgcctcgg tggttcaaca atcgttagcc ctatctttgg tgtagttat 299

<210> 10402
<211> 629
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E1

<400> 10402

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cccgcaatgc tcgcaagctc ctatagcttc cctttctccc ccgtacctct caccagcgg 180
gtcttcggta tgtgaaaacc caattcttca accctacagg atccaacagg caatcacagg 240
tggcatetta cttttatcac ctttgttcct ccaacaatca tcagccctat tacatcagtt 300

acctttggtg catttattgg cacaaaacat cagggcacia caactacaac aacttgtgct 360
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attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 480
ctacccccag caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt 540
acagcagcaa caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt 600
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<210> 10403
<211> 494
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-085-Q1-K6-E10
<400> 10403

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acagcgacaa cagttactta atccattggc agtggctaac ccattggctg ctaccttctt 120
gcagcagcaa caacaattgc tgccatacaa ccagttctct ttgatgaacc ctgccttgca 180
gcaaccctac gttggagggt ccactcttta gattacatat gagatgtact cgacaatggg 240
gccctcatal cgacatgtgt ttcttagaaa taatcaatat attgattgag atttatctcg 300
atnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnnnaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaagg gggg 494

<210> 10404
<211> 666
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-085-Q1-K6-E11
<400> 10404

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gaagaaggcc accacgccct tcgacggcca gaagcccggc acctccggcc tccgcaagaa 180
ggttactgta ttccagcagc cccattatct gcagaacttt gtccaatcaa cattcaatgc 240
ccttcctgtg gatcaagtaa gaggtgcaac aattgttgtc tctggtgatg gccgctattt 300
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agttggtgca gatggatcaa aggctactgg tgccttcac ttgacagcga gccataaccc 480
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tgaatctgtt accgacaaga ttttctctaa tacaacgaca atctctgaat acctcatctc 600
tgaagaccta ccagatgttg atatttctgt tgtcgggtgc accagcttca gtggacctga 660
aggcca 666

<210> 10405

<211> 261

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E12

<400> 10405

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agccgcaggc gagctcgcgg cgctgatggc ggcccaggta gcgcagcagc tgacggcgat 120
gtgcccctg cagctgcagc agccaggctc ctgcccttgc aacgcagctg ccggcgggtg 180
ctactactga ggnnaaacta tgtactgtag taataatgta atggagccgc tgactagcta 240
cctagctcgc tagtttactc a 261

<210> 10406

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E4

<400> 10406

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tccaaaacta acaaacaaca tgcattgcaaa aaaaataga

99

<210> 10407

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E5

<400> 10407

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tcggcggcct cgcctgggcc acggacgacc actccctcca caacgccttc agcacctacg 180
gcgaggtcct cgagtccaag atcatcctcg atcgggagac gcagaggtcc cgcggcttcg 240
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aggagctgga cggccgcaac atcacctca acgaggccca gtcccgcggc ggccgtggag 360
gcggcggcgg cggctacggt ggtggccgtg gaggcggcgg ctacggcggg ggccggcgcc 420
gtgatggcgg cggcggttac ggcggtggcg gggcgggcta cgggtggcgg ggtggtacct 480
gtggtggtgg tgcggctacc gcggtggcaa ccgtggcggc ggctacggca actccgacng 540
gaactggagg aactgnagcg gtggggc 567

<210> 10408

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E6

<400> 10408

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cggattcgcc tcaaccttgt gcacctacc catggagctg atcaagacca gggtcaccat 120
cgagaaggac gtatacgaca acgtcgcgca cgcgttcgtg aagatcctac gcgacgaggg 180
cccgtcggag ctgtaccgtg ggctgacacc cagcctgac ggcggtggtgc cgtacgcggc 240
ctgtaacttc tacgcctacg agacgtgaa gcggctctac cgtcgcgcga cggggcgggc 300

tcccggcgcg gacgtgggcc ccgtggcgac gctgctcatc gggtcggcgg cgggcgccat 360
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gggcgggagg caggtgtacc agaacgtcct ccacgtatc tactgcatcc tcaagaagga 480
gggcgcgggc ggctgtacc gaggtctcgg ccctagctgc atcaagctca tgcccgcgc 540
cggcacgcc ttcatgtgct acgaggcgtg caagaagatc ctgctcgaca ggaggaggat 600
gaggaggagg ag 612

<210> 10409

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-E8

<400> 10409

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gcttcttatt tgcaacaaca acaactacca ttcagccagc tatctgctgc ctacccccag 180
caatttcttc cattcaacca actgacagca ttgaactctc ctgcttattt acagcagcaa 240
caactactac cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca 300
cagttgttgc cgttctacca gcacgctgcg cctaacgctg gcaccctctt acaactgcaa 360
caattgctgc cattcaacca acttgctttg acaaaccag cagcattcta ccaacaaccc 420
atcattggtg gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt 480
tgtctgatgt ttgtggcttc ccagaaataa gaaagtacat ttct 524

<210> 10410

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-E9

<400> 10410

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caactggaat ctaataacnt tggcatctat gctatccgtc tgagacaatt gtagaaaatg 120

atggttaagca tccagctgtg cacgaagatg gtgtctccct acttgctgt agagatgagg 180
 caccctaaatt catgggggtg gatgctgcag aatccaatgt cccgcctaca actacaggat 240
 atgctaaata acatggggcg aactcctgat caatgggata accgcatgct tgatcacctt 300
 aagaacttcg accttagcag tccagaagtg cggcagcagt ttgcgcaagt tggcatgact 360
 cctgaggaag tagtctcgaa aataatggca aaccagatg tagctgttgc attccagaat 420
 ccaaaaatac agacagccat catggactgc tcgcagaacc ctcttaacat tgttaaatac 480
 caaatgaca aggaggtcat ggatgttttc atgaagatat cacaatctt cccctaaatt 540
 aactgctagc tgatcttcgt cgtgggatag cacttctgat tttgtcggc ccgtcatctc 600
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<210> 10411

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F1

<400> 10411

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 atattttcca tccttatgct ccttgctctt tctgcatgtg ttgctaacgc gaccattttt 120
 cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
 gcttcagttt gtgaaaacc agcccttcaa ccctacaggc tccaacaagc aatcgcaaca 240
 agcaacttac ctttatcacc cctgttcttt caacaatgcg cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacaacag ctgcaacaac tcgtgctacc agtgatcagc 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaacct tgctgcttat ttacaacaac aacaactact accattcagc 480
 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac cattttggcc agctagctac 600
 aacaagcccc actttctttt ttgaaacaac aa 632

<210> 10412

<211> 643

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-085-Q1-K6-F10
 <400> 10412

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 ctgtggctgc cagacaccac cgtttcatct accgcctccg ttctatatgc cgctccggtt 180
 ctatctgccg ccgcagcagc agccgcagcc atggcaatac cccactcaac caccgcagct 240
 aagcccgtgc cagcagttcg gatcctgcgg cgtcggcagc gtcggcagcc cgttcctggg 300
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 acagtgccag gcgctgcagc agcagtgctg ccaccagatc aggcaggtgg agccgctgca 420
 ccggtaccag gcgacatacg gtgtggctct gcagtccttc ctgcagcagc agccgcaggg 480
 cgagctcgcg gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct 540
 gcagctgcag cagccaggtc cctgcccttg caacgcagct gccggcgggtg tctactactg 600
 aggaaactat gtactgtagt aataatgtaa tggagccgct gac 643

<210> 10413
 <211> 648
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F11
 <400> 10413

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 gcaagttggg gtccggaaac caatggatcc ccaaaggat ttgctgctac gtctcttggt 120
 cgacaaaactc cagtcgatgc cacaagttca ctgatgtggc atgccccatg agcccagtta 180
 ttcgaaaaag ttacgctgga gatgctttgc tgcaagtttg aacttagaag atggccctgc 240
 accctctgac tcgacgtcat cttcatcaga gcagactact gatgctgatg gaactactaa 300
 tgggtgatgta tctgaaaatc tgctttctcg aaagccgagc tctgatgagt taaaggctct 360
 tttggctgat tcggaacgaa gtaagctttt gagaagactc agtgaagcaa atcaatataa 420
 ccgattcctc aagagacagt tgcaaataaa ggatgatgca gtcgtaaaat tcaaagggtga 480

acttgcggtt ttggaactag aactgcaggc tctggttggc ctagctgaag aggttgctaa 540
 ttttgcgtt ccgttagggg ctaggaagat aaacggaaaa tatattcaat ctcatcttct 600
 ctccagatta gaagctgtcc atgatatgat tatggaacag gtaaacag 648

<210> 10414

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F12

<400> 10414

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 caacaccaag gacagagcca tgagcaacaa catcaacaac aattccaggg tcatgacaag 120
 cagcaacaac cacaacagcc tcagcaatat cagcagggcc caggaaaaat cacaacagca 180
 acaatgtcat tgccaggagc agcaacagac tacaaggtgc agctataact actatagcag 240
 tagctcaaat ctaaaaaatt gtcatgaatt cctaaggcag cagtgcagcc ctttggtaat 300
 gcctttttctc caatcacgtt tgatacaacc aagtagctgc caggtattgc agcaacaatg 360
 ttgtcatgat cttaggcaga ttgagccaca atacattcac caagcaatct acaacatggt 420
 tcaatccata atccaggagg agcaacaaca acaacctatg gagttatgtg gatctcaaca 480
 agctactcaa agtgcggtgg caatcttgac agcagcacia tacctaccat caatgtgcgg 540
 cttgtaccac tcatactacc aaaataatcc atgcagcagc aatgacatta gtgggtgttt 600
 gcaattga 608

<210> 10415

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-F3

<400> 10415

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cttcttcagt caagcagcaa tcatgcaaca tgccttactg tagtttttta tcaactgcaca 180
 tgttgctgga taaatttata gactggagga ttatagagga ctaacaagtg ctattgggag 240
 attctcgagc accattgaac taagagattc caaatagttc tttggagtct attggtgatg 300
 ttggcgggga taatctagca gagatttgtc agattttttg tgcaacacgg aggctacatg 360
 aggcagcaac gatcccatc ttctcgcatg ccactttaca caagctaagg atagcttctg 420
 gtctcactca tggttgtggc agggaaagcc gagtagtagg gtttgtcatg tagctggagt 480
 tatctcagac cgcattatag atgcagtgat gatgtttaca tttaccgtgc aagcaagatg 540
 acttatatta tgccttaaga caatagtatt gttttcactc taatgaatac ttgtnaaaaa 600
 gttgtctc 608

<210> 10416

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-F5

<400> 10416

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 tcctcaccct cctcgaggaa gagagagggc agctccggag ccgcacgggc gcgagcgagg 120
 caggcagtgg ctctcccc ctcttttga tatcagctca tcgattcgtc ctatcacaca 180
 catatcatta ccgctcctct tcctctccta tgcttgctct ctaactcatt ggcagaagag 240
 aaaaaaaaaag tccttggtga gttgtgtgat cgggttctgg tggtgactgt tactggggtt 300
 tccttggtcg gttcttgatt cgcgcaagga cagatttggc gtctctcggg gttccgcccgt 360
 ggggtgctga atcctccttc cctgttccct tcccttaagt ttggatcggg gataggtgat 420
 ggaagtggac agaaagaaga atttgagat tggatccaag gggaaggagg ttcagagcaa 480
 gaatccgagg cgggaggagc cgctggcatc gtgggaggtg gacatggatg agccagacgc 540
 tcctganagc ggtacatgat tgttgatggc aacatggctg ctccagaagg agccccttgc 600
 agcccatgga ttccaagaat tcaagggtg tgcggtaagc cacnctcgtg agc 653

<210> 10417

<211> 591

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F6

<400> 10417

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 caatgtcgc aagtcctat agcttccctt cttccccgt acctctcacc agcgggtgtct 180
 tcggtatgtg aaaacccaat tcttcaacc tacaggatcc aacaggcaat cacagcaggc 240
 atcttacctt tatcaccctt gtctctccaa caatcatcag cctattaca tcagttacct 300
 ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480
 cccagcaat ttcttcatt caaccaactg gcagcattga actctctgc ttatttacag 540
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<210> 10418
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F7

<400> 10418

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 accggtggtt ggtgcggagg cggaggccag ggccagggcg cgcgccgaga ggcggagccg 180
 ggccggagag tctggggcgt ggaagcacgc ggtggccgct ggcacggccg atgctacgag 240
 gaagcggagt ctggggcgag gggagctgct ggtggcgcgg aagcacgggg cggcgtcggt 300
 ggccggccgc aggagggaga tggaggatgc cgtgtccgtg cgcgacgcgt tctgcgcgga 360
 gggcacggcc gacggcggga ggcgcgactt ctacggagtg ttcgacggcc acggctgctc 420
 gcacgtggcc gaggcgtgcc gggaccggat gcacgagctg gtcgccgagg agctcgccgc 480

caccgcccgc gacagctcag tctccgcggc ggccggcctgg accgtggcga tggaacgcag 540
 cttcgcgcgg atggacgcnc gagntgacgt cngccggcgg gcgcgccgnc gccgccagaa 600
 gcagcacctg ccgctgcgac gcgcacaggt gc 632

<210> 10419
 <211> 628
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-F8

<400> 10419

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 ccaaactgga catatgtggg ttcaaagact aagatttttag ttgctggtaa catcctgaat 180
 gacagtcaaa tcaccgagag atgcaagtgg tcatgtatgt ttggagaagt tgaagttcca 240
 gcaaagattt tagcagatgg tactctcacc tgttattcgc ccagcataa actcggtcga 300
 gttccttttt acattacctg ctccaacagg ttggcctgca gtgaagtgcg ggagtttgaa 360
 tttcgaccaa ctgtttccca atacatggat gctcctagtc cacatgggtga aacaaacaaa 420
 gtttatttcc agatacgcct tgacaagttg ttgtcccttg aaccagatga gtaccaggca 480
 actgtatcta accccagcct ggagatgatt gacttaagta agaagataag ttcactgatg 540
 gcgagtaatg atgagtgggc ncaacttgct aaagtggctg ttgataatga gccttctact 600
 gctgatacca tgatcagttt gttgaaaa 628

<210> 10420
 <211> 641
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-F9

<400> 10420

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 cgaccaagat attttccctc cttatgctcc ttgctctttc tacatgtgtt gctaacgcga 120

caattttccc tcaatgctca caagctccta tagcttcctt tcttccccca taccttccat 180
 caattatagc ttcaatatgt gaaaaccag ctcttcaacc atataggctt caacaagcaa 240
 tcgcagcaag caacatacct ttatcgccct tgttggttca acaatcgcca gccctatctt 300
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 cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat 480
 ttagccagct agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg 540
 ccgcactgaa ccccgctgct tatttgcagc agcaaatact actaccattt agccagctag 600
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<210> 10421
 <211> 363
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-G1

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 gcggccccgt cgcggggcgt ttggcggcgc tgcttgccgt gcactctgacg gctatgtgcg 300
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<210> 10422
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G12

<400> 10422
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gcgcttgcgg cgagcgccctt acaacaacca attgcccaat tgcaacaaca atccttgcca 120
catctaacc tacaaaccat tgcaacgcat caacaacaac aacaggttct gccatcactg 180
agcgccctag ccgtggtgaa ccctgtcacc tacttgcaac agaagctgct tgcaccaac 240
ccacttgctc tggcgaacgt agctgcgtac cagcaacaac aacagctgca acagtttatg 300
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<210> 10423

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-G3

<400> 10423

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atccccctcc ccgctcaca aagctcgtgc ggcgagtggt cgggcagcca accgggagcg 180
ccagcgcctg cgctccacc gacgggattc tcttgcttga accaggcagc gcacggcctt 240
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acacgtccgc ctgcttggtg gacacagagc cgccctgct ccgctgctgc ctccgccggc 360
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tctcgcccag cggcttcgcc gcgtcgaaga agaagaggcg cagccacgga cgtcgctgc 600
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<210> 10424

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G4

<400> 10424

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 acaagcggcg gctgcggctg ccagccaccg ccgcccgttc atctaccgcc gccggtgcat 180
 ctgccacctc cggttcacct gccacctccg gtgcatctcc caccgcccgt ccacctgccg 240
 ccgcccgtcc acctgccacc gccggtecat gtgcgcgcgc cggttcatct gccgcccga 300
 ccatgccact acctactca accgccccgg cctcagcctc atccccagcc acacctatgc 360
 ccgtgccaac agccgcatcc aagcccggtg cagctgcagg gaacctgcgg cgttggcagc 420
 accccgatcc tgggccagtg cgtcaggttc ctgaggcatc agtgcagccc gacggcgacg 480
 ccctactgct cgcctcagt cagtcgttg cggcagcagt gttgccagca gtcaggcag 540
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<210> 10425
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-085-Q1-K6-G5
 <400> 10425

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 tggctcctcc cccctccttt cgctttcagc tcatcgnttc ttctgtggc gcgcggtgtc 180
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 ctgaatctc ctccctggt cccctccctt cggtttggtt cggggctcgg gctggccgtg 420
 gtccgcaaga agattttgcc gcttggatcc ctggggaagg aggttcagag ctggaatccg 480
 tggcgggagg agccgctggc gtgcgtggcg gtggtcttgg ttgagccaga ctctcctgag 540
 agcggtgaca tgattgttga tggccacaat ggctgcctca tagggagcc 589

<210> 10426
<211> 620
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G6

<400> 10426

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ttaatctgtg catgtggcta gattgttgac tgcataacga aacacatcgt cgtcggatcg 180
gagatgatga gttccgtcgt cgtggatgct gctgctacca gcagcagcga gaagaagacg 240
tcgtggcccg aggtgggtggg catgtccatc aaggaggcga cggagactat tctcaaggac 300
atgcccaacg cgtacatcca ggtgctgcct gttgggtcgc ccgtgacgct ggaccttcgc 360
cccgaccgcg tccgtatctt cggtgacacc gtcgccatga ctccgacagt tgggtgatac 420
ataccaaata taataaacia accctacttt ttattttatg tttccagtta ataataaacc 480
aggccttagc ttcttggttg tcttctcttg gttgggtgta gcttctaagc tactagtaca 540
ccattaaaaa aaggaggacc tcatgtatgg ctaccgtgaa aaatgtgatc ttgatggaat 600
aatatatcat aaataagcaa 620

<210> 10427
<211> 638
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-G7

<400> 10427

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caagatattt tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctcctatagc ttccttctt ccccatacc ttccatcaat 180
tatagcttca gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
agcaagcaac atacctttat cgcccttggt gtttcaacia tcaccagccc tatctttggt 300
gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360

caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
 caaccaactg tctacactga accctgctgc ttatttgcag caacaactat taccatttag 480
 ccagctagct actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc 540
 actgaaccnc gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc 600
 agcaagtcgt gcttccttct tgaacagcaa cagttgct 638

<210> 10428

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-G9

<400> 10428

agtgaagtac actagcaaca tcttagcacc aatggcagcc aagatttttg ccaccttgc 60
 cctccttgct ctttcagcaa gcgttgctac cgcgactatt attccacaat gtcacaaca 120
 atacctctct ccggtgacag ccgcgagatt tgaataccca actatacaat cctacaggct 180
 acaagaggcc atgcgagcaa gcatcttaag gtcgttagca ttgaccgtcc aacaaccata 240
 tgccctattg caacaacccat ccttaatgaa tctatatctc caaagaatcg cagcacaaca 300
 actacaacaa cagttgcttc caacaatcaa tcaagtagtt gcagcgaacc ttgctgctta 360
 cctccagcaa caacaatttc ttccattcaa tcaactagct ggggtgaacc ctgctgctta 420
 cttgcaggca caacagctac taccattcaa ccaacttgctc aggagccctg ctgccttctt 480
 actgcagcaa cagttgcttc cattccatct acaagttgtg gcaaacattg ctgctttctt 540
 gcacaacaac aacattgctg ccattttacc cacagggtgt gggaaacatt aacgccttct 600
 tgcac 605

<210> 10429

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H10

<400> 10429

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gctccttat gtccttgggt ctttctgcaa gtgctgctac ggcgaccatt ttcccgaat 120
gctcgcaagc tctatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct 240
tacctttatc acccttgttc ctccaacaat catcagccct attacatcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
ttgctgcta ctctcagca cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgctttctta tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
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aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac 600
cacagttgtt gccgttctac cagcacgctg cgcctagcg ntgcaccctc ttacaactgc 660
aacaattgct gccca 674

<210> 10430

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H12

<400> 10430

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atgctccttg gtctttctgc aagtgtgct acggcgacca ttttcccgca atgctcgcaa 120
gctcctatag ctcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
aaccgaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
cttccattca accaactggc agcattgaac tctctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgatata accacagttg 600

ttgccgttct accagcacgc tgcgcctaaa cgtgcaccc tcttacaact g 651

<210> 10431

<211> 708

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H3

<400> 10431

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gatggtaggag tagtttggat cgatgaattt gacaagatga gacctgaaga cagagttgca 120
attcatgagg ccatggagca gcagacaata tctattgcca aagctggcat tacaacagta 180
ctcaattcaa ggacttcagt tcttgtagct gccaatccaa ttgcaggacg ctatgatgat 240
cttaagaccg cacaagataa tattgatctg cagacgacca ttctttctag atttgatcta 300
atctttatcg tcaaggatat cagaatgtat gatcaagata agagaatagc aagccacatt 360
atcaagggtgc atgccagtgg tgctgcagct tcatccacaa acacagaggg gagtgaagga 420
gagaattggc tgaaaaggta cattgagtac tgccgcgcca catgcaaacc acggctttca 480
gaaaaagcag ctgagatgct gcagaacaaa tatatcgaga ttagacagaa aatgaggcag 540
caagctcacg agacagggag ggccgcagct ataccatca cggtaggga gctagaagcc 600
atcatccgtt tgagtgaatc tcttgcaaag atgagattga caagtgtggc tacaccggag 660
catgtcgaag aggcattcag actgttcaat gtctncccg ttgatgct 708

<210> 10432

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H4

<400> 10432

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tccatcctta tgctccttgc tctttctgca tgtgttgcta acgcgacct ttttctcaa 120
tactcacaag ctctatagc tgcccttctt ccccatacc ttccatcaat gaccgcttca 180

gtttgtgaaa acccagccct tcaaccctac aggctccaac aagcaatcgc aacaagcaac 240
 ttacctttat caccctgtgt ctttcaacaa tcgccagccc tatcttttgt gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcaa caactcgtgc taccagtgat cagccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
 tctacactga accctgctgc ttattttacaa caacaacaac tactaccatt cagccagcta 480
 gctactgcct actctcagca gcaacaattt cttccattta accaattggc cgcactgaac 540
 ccctctgctt atttccagca gcaaatacta ctaccatttg gccagctagc tacaacaagc 600
 cccacttncct ttttgaaaca caacaattgc ttccgttctc cagcagt , 647

<210> 10433

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-085-Q1-K6-H6

<400> 10433

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 attgtaagga ggggtgctcct taaaatatca ttgcagtcgg ccattttttgg tgatattgac 120
 cacactaagc ttcaaaccga ttctcttctg cggactccac atatttcagc aatgcaccat 180
 gacgaaacat ctgatctgaa gattgtggcc gaaaattttg aacaaaacct agagattaca 240
 ggcacatcct tggagggtcg taagctgggc gttgaaatct gtgacattgt ggcgacaaga 300
 gcagcccggc tggctgctgc ggggcttgca gggatcctca tgaagatcgg gagagatcac 360
 agcgtcagg accaacgggc agtcatcgcc atcgacggag gactgttcga gcactacacc 420
 aaattccgcc ggtgcttgga gaccacactg ggtgagctgc taggagacga ggcgtccaac 480
 gcgggtggcca tcaagcatgc cgatgacggg tcaggaataa gtgctgccct gattgcagct 540
 tcacagtctc agtacaaaa 559

<210> 10434

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-085-Q1-K6-H7

<400> 10434

cgggtcgccc cttcccggtc gccccgcgtc cgtagcaaca tagaaagtgg aatccagtag 60
caacaacaga gcaacaatgg cgaccaagat ttttccctcc ttatgtcctt tgctctttct 120
gcatgtgttg ctaacgcgac aattttccct caatgtcac aagtcctat agcttccctt 180
cttcccccat accttccatc aatgatagct tcagtatgtg aaaaccagc tcttcagccc 240
tataggctcc aacaagcaat cgcagcaagc aacatacctt tatcaccctt gttgtttcaa 300
caatcgccag ccctatcttt ggtgcagtca ttggtacaaa ccatcagggc acagcagctg 360
cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc tccctactct 420
cagcaacaac aattttcttc attcaaccaa ctgtctacac tgaaccctgc tgcttatttg 480
cagcaacaac tattaccatt cagccagcta gctactgcct actctcagca acaacaactt 540
cttccattta accaattggc cgcactgaac cccgctgctt atttgcagca gcaaatacta 600
ctaccattta g 611

<210> 10435

<211> 483

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A10

<400> 10435

aaacccaagt aatcaccatt gtatctttca caagttggac agtcggtctc aatcaacaaa 60
attattaaca ggggcgctgc gaattgaaac cttaaagtcaa ttaatcctca tcttttctta 120
tgaaattgat catgcagaga gtgaaaaaaaa atataggtca agatcaaaat ggcgccggaa 180
agatgactcc agaccatgtt tattccaatc caactgaatc gaaaataaat tcctagagcc 240
caaaaacact eggcacttca gtgcttgagc accaaggata ggccaacttt cgtgctcttc 300
tcaatgcctt tgggtgtcaac gtcaccagag atggtgacga aggacttggg acaccattca 360
tgctggacaa gggcactggc catgccgtag ttgttgaaac gcgtcttgat agtcgtgtgg 420
ggatccaacg agtgctggga cccgaatatt agcgtgctct catttctcga catgctgtga 480
gac 483

<210> 10436
 <211> 117
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A11

 <400> 10436

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 ttggnctttt tttttttttt ttttttnngg gggggccccc ctttgggtgtt ttttttt 117

<210> 10437
 <211> 493
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A2

 <400> 10437

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 ctctgtgcng cccgaaagcg gcttattgag tcgtttcagt ttctgggtttc actttcagaa 120
 atctctctcc attcaaacag ggagcataca acttgtgaca tggttcgggta ggttcgctta 180
 ttttccttgt gacaacatcc tacagccaag caaggccaac atcaaagctt tatttctctc 240
 aagttttgct cattatgcat tggactgtnt atatcctcta accggaagac atgactacag 300
 ctccaactct atcgcgaggg atgagacgca gctccgaacc atgtttcaga aacacgttgc 360
 ctgcactttg ctggggggttg atgccaattc catcgttggt gatgatggcg ctggtctggg 420
 gcggggcctt gaactccttc gcggcggttct tgagctccgc tggtttgggc gccgèctcgg 480
 gcacgctgta cac 493

<210> 10438
 <211> 590
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-N6-A3

 <400> 10438

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 tgcttctatt ttcaaacagg gagatggatt atagtctgtt aactgcctca actaggttac 120
 aaggccaaaa ctgcaaccat gatgaatggg tttctacgta aagcgatgtt gaatgtataa 180
 atcaaacttc aaacatgcag ccgatcacag cttgtagact ggggtgatcc ctacgagatt 240
 gaagcactgt cgcattgaca cagcagtcgc ttggcaaagc aacagtcggc tcgtctcctc 300
 cggtgacccg accacctgac agttgggtata gaattttgtg aacatttcag atagattgta 360
 caagtattca cacacaacat ttggaagcag attcgtgcat gcctcttcaa ccacctcagc 420
 aaatcgata agatacagcc ccaacacacg ctcattctgga tggtaagag aaatggctcc 480
 agtcattctt agatcttncc acatccttgn tggattttccg aataatggaa catatacag 540
 catgtgcata ctgaaggtca cagcagtnnt tccctatcgc tcagcatttg 590

<210> 10439

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A4

<400> 10439

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 aactataact cataagcaat ctaaaagagg caccaccaat gatgggttgt tggtagaaca 120
 ctgttgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgctgct tgtaagaggg 180
 tgccagcgtt aggcatagcg tgcaggtaga acggcaacaa ctgttggtgt gtcaagaagg 240
 cagcagggct cacatcagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
 cagcagagtt caatgctgct agttgggtga atggaagaaa ttgctggggg taggcagcaa 360
 ctagctggct gaatggtaat tgttggtgca aataagcagc agagttcaat gcagccagtt 420
 ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgct agcacaagtt 480
 gttgtagttg ttgtgcctg atgttttggt ccaccaaat 519

<210> 10440

<211> 591

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-A9

<400> 10440

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gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcctcga caagacagga ttcacaaag agaaccgggt gtatggcagc aattgttgct 180
gctgtaggaa ggcagcgacc aatgggttag ccactgccaa tggattaagt aactgttgct 240
gctgttgtag gtacgcaaca gagttcgaca tagttagttg gttgaatgga agcagctgtt 300
gcaagtggc aacagggttt gccacagcta gctgagttag agctgggtaca atctgttgca 360
acaattcttg ttgcaggat gttaggtgat tggccacagc gagcgggcta gatgaaagca 420
gttggtgctg ttgtaggtag gcggcagggt tcaccatggc tagttgacta agcgttgga 480
gaaactgttg cagttgttgt tgttgctggt ttgcaactac gtttgctaga gcaagtgggt 540
tggatgcaag cagctgctgt tgcaagtagg cgacagggtt caccatggct a 591

<210> 10441

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B10

<400> 10441

ggccatagct tttgacaata caagttgaat agcaaaatta gcaatacacc ggcaacaagc 60
aacgagccta cctgtgtcca tgttcagag ctcaaataat gggaacatgc tacatactgc 120
attgctacaa acagtacact ttgtgctggt taaattaaga aaccatggac atgttgagca 180
tcaggctatt aacatcctaa actctaggct tagtaacttt gctttagcta caattcacag 240
ccaatgggag caccgaata cacacagaac tatgtcaact aatgagttta acttgatata 300
ggcgagatct agcacggaag agtcttgaag cattagaatc agcaaggacc tagtttttgg 360
cgacggtcag ggtgagaaat tctaagctca tgtcacaaca aaataatccc caccatacgc 420
gtaaacttgt attattcatt gtggcatcaa cattattttg attgttcaaa tgggtgcacgc 480
acaaatagct gcccatggag ggtgacaact gcggagggtt ggtgagggtc aatgcgggaa 540
ggcaaaactaa tgaccttctt gaatggagtg acaccccatg tgttatccaa ttgctcaagc 600

<210> 10442

<211> 190

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-B2

<400> 10442

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tttttttttt tttttttttt tttttttttt ttttttttgtt ttttttttgtt ttggtgggttt 120
tgggtgggggt tttgggggttt ttggtggggg gggggggggtt tttttttttt gggggggggg 180
gggtggggggg 190
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<210> 10443

<211> 392

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-B3

<400> 10443

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gcccccccaa tgggtgggttg ttggtggggg ggggggggggt ttgtcaaagc aggtggggtg 180
gttgcccccc tttgttgctt ttgtaagggg gggccccgctt tgggcccacc ctgctgggtg 240
aacggcaaca actgggggttg tgtcaagaag gtggcggggc tccccccccc tggctggctg 300
aatgggggtg gttggtgctg ctgttccttt gccgggggggt tcattgcttc ttggggggtg 360
gttgtggaaa attcctgggg gtgtggcccc gg 392
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<210> 10444

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B4

<400> 10444

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 gcagattact aacaccaaac gagacatata ccacacatgc aatgatacgg tgcattgtact 180
 agctagtaca tccatacaca cacatagctt accaactact gggtattacg gaatatacaa 240
 accatgcatg catcatatct cacaacatgc aatgcagata tagatattac atgcatatct 300
 aatttatgcg aattcatgct tttgccctcc accctccacg ttttcagtag ttccacacgc 360
 catccatctc tatgggtggtg gtgggtgcag gccctggggc ggccacggag atcatcgacg 420
 agatctcagc gccattagcc tgggtcgtct tctgcgacac catcgaggac ggctactct 480
 ccggcgagc aacatcgaag ccgccagcgc aagcagtcgc cgtgcccatc tgggtgtaga 540
 agctcatggg gctggg 556

<210> 10445

<211> 518

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-B6

<400> 10445

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 atgagggcac cattatcgag tacatctcat atgtaataa aaagatggca cctccaacga 120
 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctgggtgtnt ggcagcaatt 180
 gttgctgctg tnggaaggca gcgaccaatg ggtagccac tgctagtggg ttaagtaact 240
 gttgtcgtg ttgtaggtac gcagcagagt tcgacatagt cagttgggtg aatggaagca 300
 gctgttgcaa gtaggcagca ggggttgcca caactagctg agtcagagct ggtccaatct 360
 gttgcaacaa ttgttggtgc aggtttgtag gtgcattggc cacagcgagc gggctagatg 420
 aaagcagttg ttgctgttgt tggtnggcgg cnggggttcac cntgggttgt tgactgagcg 480
 ctggcagaaa ctgttgaccc tgcgttgtg gctgggtt 518

<210> 10446

<211> 469

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-B8

<400> 10446

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ttttttttga actattactc ataagaaatc taaaagaggg caccaccaat gatgggttgt 120
tggtagaatg cttttgggtt tgtcaaagca cggtgggtga atggcagcaa ttgttgctgt 180
tgtaagaggg tgccagcgtt aggcgcagcg tgctgggtga acggcaacaa ctgtgggtgt 240
gtcaagaagg tagcagggtt cacaccagct agctggctga atggtagtag ttgttgctgc 300
tgttaataag ccggcgagtt caatgctgtc agttgggtgn ctggaagaaa ttgctggggg 360
ttggcagctg atagctggct gaatggtn gnngcgttgt gcntcttcga ggccgcgncc 420
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<210> 10447

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-B9

<400> 10447

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aacaacgctt cgggagaaaa acttattcct cagtccagct gtgttttaaat ggaatcccaa 120
attgtacacc cagcctcgtt gaataggaac aagtctgtcc tttgtaaata ctagtctgcc 180
aagatataat cgggtgtccaa attgtctaata tcaactacta gataggggtg cgccaattgc 240
aagatgcatg ttccccgat gcttctttga aacgttcttg catccagaag ttggtgggca 300
cgagcttttt 310

<210> 10448

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C2

<400> 10448

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gataaaatcg gttcagcctg tgcccaacac aatgccctca tgctggccgt ctaaaactgc 120
caactcccag tcccagacgc tcaagctggt ccaggagcgg tgactttggg gtaatcgggg 180
tccgactgac cctccctctc cgtccaggac ccattcttga ctggcacatt acgctttccg 240
atcctgtaca gcccagagc gtgtttgcag gccgtcacc cggatccgca ggtcacgact 300
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<210> 10449

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-C3

<400> 10449

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gcaattgttg cagttgtaag agggtgccag cgtaggcgc agcgtgctgg tagaacggca 180
acaactgttg ttgtgtcaag aaggtagcag ggctcacacc agctagctgg ctgaatggta 240
gtagttgttg ctgctgtaaa taagcaggag agttcaatgc tgccagttgg ttgaatggaa 300
gaaattgttg ggggtaggca acaggtagct ggctgaatgg tagttgttgt tgttgcaa 360
aagaagcaga gttcaatgca gctagttggt tgaatggaag aaactgctgt tgctgagagt 420
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<210> 10450

<211> 576

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C4

<400> 10450

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180

tttttttttt tttttttttt tttttttttt ttttaaaaaa aaaaggggga aaaggatttt 240
 ttttttgggg ggggggcccc ctctcttcat aaaaaatttt tttttggggt ccccccaaaa 300
 aggggtaaaa aagggggggc cccaaaattt ttttttgggg gggggggggc ctcttttttt 360
 ataaaggggg gggaaaaag ggaaaaattt tttgtttttg aagggggggg gggggggggc 420
 cccaaactgg tggtgaaaag gagaaaacct ttgtttgttg aaaaagaaaa aagggggtag 480
 gcctcccttg tgtggtaatg ggggtttttt tttgtgtctc aaaaaaacg ggtgggtgcc 540
 ggcgccctt gtgtaaagaa agagaattgt tttttt 576

<210> 10451
 <211> 365
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-N6-C5
 <400> 10451

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 cttaacgggg ggaaaacccc aaacaggggg caaaatttag cttttcattt ttaattgggg 180
 gaaaaccaca gggatcccaa acttaatcca cccccccat tttgtttttg ccgggggttt 240
 cccccagggg ggggatttaa acttgggccc cagaaaactt gtcctcattt atgctcaaac 300
 ccggctttta catgcgatgg atcccggggc caaagggggg ggggccatcc aagcttaacc 360
 ccggg 365

<210> 10452
 <211> 569
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-N6-C6
 <400> 10452

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gtcatctcgt tgtggcccat cccgaccagg cacaccttcc cgccgggccc cgtcgcctcc 240
 agcgccgctg acatggtctt gctgaacccg ggcgagtcca ggctgacgtc gatgtccgag 300
 cccatggccg cgcggatgcg ctccacctcg tccgccaggt cctccgcgcg gggcgacacc 360
 cgcaccgccc cgtccgcgcc cagcgacctg gccacggcca ggcggtgctc gtccacgtcc 420
 acgaccacca cgcgcggcgc gccgaaggcc cgcgccgcca gcagcgacac caggccgatg 480
 gggccggcgc ccaccacgag cagcccgctc tcggggccca cccccgcgcg gcggcacgcg 540
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<210> 10453

<211> 166

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C7

<400> 10453

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 gcgctctctc tttgatcacc catccctcac aaatggggcc acatcaaagt tccttccaaa 120
 aacccaaaag ggaaaagaca cgagaaaaaa gatgttcggg gggaat 166

<210> 10454

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-C8

<400> 10454

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 aaataggggtg gttacgcaac aacatttttc acgcacagaa ggcttgatcc acttttcgct 180
 tggggggaaa atgtttttta ttgttaccac agtagacact tttgggatca tggttcataa 240
 ccggtttttct ggaagaaatt ggtaaaccat acaattggac acaaaatacg atccaggggt 300
 atcaactgtc aaggctctgg tttctattga gataccaaac taacattaat ttgaatgcgc 360
 tc 362

<210> 10455

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D11

<400> 10455

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gccccttttt tgagtacatc tcatatgtaa ttttaaattt tgggcctcca acgatggggt 120
gctgcctcca caagacagga ttcacaaaa agaactgggt gtttggcagc aattgttgct 180
tctgttgga gggggggacc aatgggttag ccacttccaa tggattaagt aactgttgct 240
gctgttgtag gtaccagca gagtcgaca gagtcagttg gttgaatgga agcagctgtt 300
gcaagttggc aacagggttt gccacagctt gttgagtcag agctgggtaca atctgttgca 360
acaattgttg ttgcaggtat gttggtgcat tgcccacaac gagcgggcta tatgaaaaca 420
gttgttggtt ttgtccgttg gcggcagggt tcaccatggc ttgttgactg agcgttggca 480
gaaactgttg tagctgttg tgttgctggt ttg 513

<210> 10456

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D12

<400> 10456

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gtcatttgct ggcttgctgc acatagcaag gatatagaat gctcgcccat ggaccacggg 120
gcaaaacaaa ctctgggaa tagccatgag atcgggtcaaa agggagcatc ttatcaagag 180
cagatacaaa tgggacgatt catcaccata aacaaaatct cactatgggt ctacactagc 240
aaaacagcat tgatacacc atcattctcc gggttgtttg taacttgagc atatttcccc 300
caaacaactt ttccagcggg agttaccaga ccaagctcac tgacatttac ctcaatgatt 360
gttccccctt tcataacacc aagagaagtg tacatcggac catttgggtt tttcttcaca 420
gaaattatgt caaggttgaa agtgcacttc agttctgggt gagtcacatg agctttgggt 480

aaacgcagac cagttgggtcg aatgaaccgc tcatactttg gtgggttcct

530

<210> 10457

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-D4

<400> 10457

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tttccttcga ttctttttca aaagtccat gcacgaatgg gcaaattaat ttaaacattt 120
ggtttcagtt acagaaggca gtacgtgctt taagttttcg agagaccaat agcttgtcag 180
cccattgcat atttttgagt ccagcttcta gcaggcgatt cgtccttcac gcgatcagtc 240
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gaacaaattg ggaggaggac cttagaaact gtcagtgcag ggggccattg ctccttcaaa 360
atatcaagac aaattctccc tttgttggtg atattcggat ggtaaaccctt cgttttgaat 420
gcaaccttcc gtggtttgaa tgggtggtcc ggtggaaagt ggattgtgac caaaaa 476

<210> 10458

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-D6

<400> 10458

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gaggggcacc atctatcgag taccatctca tattgtatat ctaaaagatg gcanccacca 120
acgactggtg ttgctgccac gacaaggcag ggttcatcaa agagaactgg ttgtatggca 180
gcaattggtg ctgctgtagg aaggcagcga ccaatgggtt agccaccgct agtggattaa 240
gtaactggtg tcgctgttgt aggtacgcag cagagttcga cacagtcagt tggttgaatg 300
gaagtagttg ttgcaagtag gcagcagggg ttgccacagc tagctgagta agagctggta 360
caatttggtg cagcaactgt tgttgcaaca actgttggtg caggtatgta ggtgcattgc 420

ccatagcgag cgggctagat gaaagaagtt gttgctgttg taggtaggcg atagggttca 480
ccatggctag ttgactgagc gctggtagaa actgttgcaa ctgttgttgt tggtggatatg 540
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<210> 10459

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-E1

<400> 10459

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atcgagtcca tctcatntgt aatctaaaag atggcacctc caacgatggg ttgctgcctc 120
gacaagactg gtttcatcaa agagaactgg ttgtntggca gcaattgttg ctgctgtngg 180
aaggcggcga ccaatgggtt agccactacc aatggattaa gtaactgttg tgcgtgttgt 240
nggtacgcag cagagtcca cagagtcagt tggttgaatg gaagcagctg ttgcaagtng 300
gcaacagggt ttgccccagc tngttgagtc agagctggtc caatctgttg cnactnttgt 360
tgttgcnggt ttgtnggtgc cttgcccaca gcgagcgggc ttgttgaaag ccgttgttgt 420
tgttgtccgt tggcggcggg gttcccttgg cttgttg 457

<210> 10460

<211> 527

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-E2

<400> 10460

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ttgcacactt ttttttgctt gcgggtcgnt ttaactgtta tcccatgtca tgttatgcag 120
gantttttga caaactgcaa ccgggtctcc tgtctgtntg tgtcccaact aagctgcttt 180
taogtctggc caaatctgct cgntcgacaa tcaactgcatt gaacttgga gtcanttctt 240
ctggcttggt tgcaagcngc ctcaagcctt cgccttcttt tccgtgcttt accctttatt 300

cgccctttgt tttgcttttt ggggcctttt tttttgtggt ttcttcttct tttctttttt 360
 tttttttttg tttttgttgt gttttttttt tgtttttttg gcgtncttgt tttctttttc 420
 ttctcctgtg ttctttgttt tttttcgtcc tccgttcttg tgcttgtttt tttttgttct 480
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<210> 10461

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-E3

<400> 10461

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 atgctgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
 ggggtgccagc gttaggcgca gcgctgctgt agaacggcaa caactgtggt tgtgtcaaga 240
 aggttagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaaatt 300
 aagcaggaga gttcaatgct gtcagttggt tgaatggaag aaattgctgg gggtaggcag 360
 canatagctg gctgaatggt agttgttggt gttgcaaata agaagcagag ttcaatg 417

<210> 10462

<211> 501

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-E4

<400> 10462

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 aactataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
 actgctgggt ttgtcaaagc aagttggctg aatggcagca attgttgcag ttgtaagagg 180
 gtgccaacgt taggcgcagt gtgcaggtag aacggcaaca aatgttgcag tgtcaagaag 240
 gcagcagggc tcacagcagc tagctggctg aatggtagta gttgttggtg ttgtacataa 300
 gcatgagagt tcaatgctgc cagttgggtg aatggaagaa attgccgggg gtaggcagca 360

gctagctggc tgaatggtag tagttgttgt tgctgcaa at aagcagcaga gttcaatgca 420
gctagttggg tgaatggcag aaactgttgt tgctgagagt aggcagcaag gtttgctagc 480
acaacaacta caacaactcg t 501

<210> 10463
<211> 568
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E5
<400> 10463

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gcaccattgt cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatggggtt 120
gctgcaaggc aggggttcac aaagagaact ggttgatatg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtttagcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag tttgacacag ccagttgggt gaatggaagc aactgttgta 300
agtaggcagc agggtttgcc acagctagct gagtcagagc tgggtacaatt tgttgagca 360
actgttggtg taggtacgta ggtgcattgc ccaccgcag cgggctagat gaaagtagtt 420
gtaggtagac ggcagggttc accatggcta gttgactgag cactggcata aactgttgca 480
gctgttggtg ttgctggtat gcagctacgt tcgccagagc aagnntgggt ggatgcaagc 540
agctgctggt gcaagtaggt gacagggt 568

<210> 10464
<211> 69
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-N6-E6
<400> 10464

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tttttttttt 69

<210> 10465

<211> 293
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E7

<400> 10465

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ggccgcaagc aggggctgat ggggcattgt gcttttgaca ggtccaactt ggcgcccgcg 180
ctcgcgactg cncattgtgc tgttnngagg tgcnggctca cccactgctg cctatgggtan 240
ngtgttgctc tгнаatnncg gcagttcaaa ctncattggt gntggaaaaa ttg 293
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<210> 10466
<211> 551
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-E8

<400> 10466

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ctgttggggtt tgtcaaagca agttggttga atggcagcaa ttgttgctgct tgtaagaggg 180
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cagcagggct cacatcagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
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ctagctggct gaatggtaat tgttggttga aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgc agcacaagtt 480
gttgtagttg ttgtgccttg atgttttggt ccaccaaagt gaccaaaggt aactgctgta 540
atagggtgta c 551
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<211> 598
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-E9

<400> 10467

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caaatatcat gaatcagtag tagggcgga tggcagcgga gacgccacag gggttggtgc 180
ggtagctggg cagctggtac tggtagagtc caccatggc cggcatgttc tgcgccatca 240
tcatggccat ggggttgaga ccctgggctg ccagcagctg ctgctgctgc tgcacagag 300
ctggctcgta caggctgctg ctggcggcag cggcacgctc aagctgcatc atcatctgca 360
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gcgggctgca ctgcggctgc ctacaggtact ccgcgtaggg gtacagcccg ncngcgccca 540
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<210> 10468

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-F1

<400> 10468

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ttttgtngg gggggggggt gggggggggg gggggggggg ggggggntgt ttcggggtng 180
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gggggggggc gggggggggg gttgtggggg tgggtggtg ggggggtgct tcgggggttg 300
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<210> 10469

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-F10

<400> 10469

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aaacatttgg ttttaaaaaa agaggggggag tgtagggaaa aagtggggtc cattaagg 180
gggggcccac ctgggcccat tccctttgta aaaaaaaaaa aaagagtttt tgtttgaaaa 240
ggggaccaac gacaaaaacc gagctgggct ttggggaggga attatttggg gtcctaaaaa 300
aaagaggaaa tataaatgtc cccgtggtga taaggga aaaatggggg gggg 354

<210> 10470

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-F11

<400> 10470

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ttagtggggg gcgctgggaa tgcttcctca aactgtgttg aagttgagac aagtccaac 360
gagaaagggc ccaagggtcc aaactccaaa ctttctgcog catgtaacaa atctgctgtg 420
gggggtgagg aaggctcgca gataccattt ccttgggcgt tttgagcaag tgc 473

<210> 10471

<211> 504

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-F12

<400> 10471

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gctgccacga caaggcaggg ttcacaaag agaactggct gtatggtagc aattgttgct 180
gctgtaggaa ggcagtgacc aatgggttag gcaactgctag tggattaagt aactgttgct 240
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gcaagtaggc agcagggttt gccacagcta gctgagtcag agctggtaca atctgttgca 360
gcaattgttg ttgcaggtat gtaggtgcat taccacaac gagagggcta gatgaaagca 420
gttgttgctg ttgttggtag gcggcagggc tcaccatggc tagttgactg agcgtggcn 480
gaaactgttg caattgttgt tggt 504

<210> 10472
<211> 445
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-F3
<400> 10472

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gctgctgggt ttgtcaaagc aagttggaca aagggaaca attgttgtag ttgtaaaagg 180
gttgcggggt tagcccaaaa ctgctggttg aaaggcagca actgttgctg tgtcaaaaag 240
gaagcacggc ttgctgcaac tagctggcta aatggtagta atatttgctg ctgcaaataa 300
gcagcgaggt tcagtgcggc caattggta aatggaaaaa gttgttggtt attagagtag 360
gcagnaacta gctggcttaa tggtaatagt tgttgctgca aataagcagc agggttcagt 420
gttaattgtt ggttgaatgg aaaaa 445

<210> 10473
<211> 507
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-N6-F8
<400> 10473

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 aacgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg cagttgtaag 180
 aggggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg ttgtatcaag 240
 aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg ctgctgtaaa 300
 taagcaggag agttcaatgc tgccagttgg ttgaatggaa gaaattgctg ggggtaggca 360
 gcaggtagct ggctgaatgg tagttgttgt tgttgcaa atagaagcaga gttcaatgca 420
 gctagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag gtttgctagc 480
 acaagttggt gtagttgttg tgccctg 507

<210> 10474

<211> 566

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-G11

<400> 10474

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 gtttcagtta cagaaggcag tacgtgcttt aggtctacga gagaccaata gcttgctcagc 120
 ccattgcata tttctgagtc cagctcctag cagtcgattc gtacttcacg cgatcagtct 180
 tgtacaagtg agcaatctct gggaccaacg gatcgtcagg gtttgggtcc gtcagaaggg 240
 aacaaattga gaggaggacc ttagaaactg tcagtgcagg gctccattgc tccttcaaga 300
 tatcaagaca gatgctcccg ttgctgttga tattcggatg gtaaaccttc gtcttgaatg 360
 caaccttcgg tgggttgaat gggtagtccg gtggaaagtg aatagtgacc aaaaatacgc 420
 caccagcgta tgggctatct gatggcccca taatcgtcgc ctgccagtag aacatatctt 480
 cggcaacagg gcctgcgctg caagaggtgg gaggatcctt ctgcaggtec ttgagctcct 540
 tgaggatccg cttcgacgcc atggat 566

<210> 10475

<211> 300

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-G12

<400> 10475

agaccagcaa gatttcctgt tccatcaaaa tcagtttngg caaacgacat tacgacgagt 60
gcagaccacc actcgtcaga atctagagag attgaaaaaa 'aagggttctt' ttctgctttt 120
ggtgctcccg cggcggatca tttgagtggc tctcngcna acaccaccct tcatttattg 180
cgaccgtgca aaccttgtgt ctattggcag cggcgagcta gtttagctcc acacgaaaac 240
atcctcatcc tcttcctttc tttgttgggc tccactggtg ccctgaactt tgctccggcg 300

<210> 10476

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-N6-G4

<400> 10476

agaaagtact ttcttatttc tgggaagcca caaacatcag ataaaaaact ttattattga 60
actataactc ataagaaatc taaaagaggg caccaccaat gatgggttgt tggtagaaca 120
ctgctgggtt tgtcaaagca agttgggtga atggcagcaa ttgttgagct tgtaagaggg 180
tgccagcggt aggcgcaacg tgctggtaga acggcaacaa ctgtgggtgt gtcaagaagg 240
tagcaggggt cacaccagct agctggctga atggtagtag ttgttgctgc tgtaaataag 300
caggagagtt caatgctgct agttgggtga atggaagaaa ttgctggggg taggcagcag 360
gtagctggct gaatggtagt tgttggtgtt gcaaataaga agcagagttc aatgaaccta 420
gttggttgaa tggaagaaac tgctgttgct gagagtaggc agcaagggtt gctagcacia 480
gttggtttag ttgttggtgc ctgatgtttt gtgccaataa atgcaccana agtaactgtt 540
gtaatanggc tgatgattgt tggaggaaca aggt 574

<210> 10477

<211> 211

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-N6-G7

<400> 10477

ctagaaagta ctttcttatt tctggaagc cacaacatc agacaaaaaa ctttattatt 60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa 120
tgctgttggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag 180
ggtgccagcg ttaggcgcag cgtgctggta g 211

<210> 10478

<211> 303

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-H10

<400> 10478

tcgcagcacg cgtcgnaact ggaacccaaa accccgcctg gtggtttttt tttttttttt 60
tttttttttt ttttattttt ttttgtgttt ttttttgttt ttgggggggtt tttttttttt 120
tttttttttg gggggggggg gggggggggg gnnngggggg gngttttttt gggggggggg 180
gggggggggn ggtnttggg gggtcgggg gggggggggg ggggggtgtg gggggggtgg 240
gggggggggg ggggtgggg gggggggggg ggggttgggt gtggtgggg gggggggggg 300
ggg 303

<210> 10479

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-N6-H2

<400> 10479

gggggggggg ggnnggggg gnnnnnnnnn nnnnnnngng gggggggggg tggggggggg 60
ggnngggggn nnnntgggg ggnngggggg gggggggggg ggnnggggg gggggggggg 120
ggnggggggg gnggnggggg gnggngggtg gggngggggg gnnnggggg gngggngggg 180
gggggggggg tggggggggg gggngggggg gggggggggg gggggggggg gggggggggg 240
ggggggnggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 300

gggggggggg gggggggggg gggggggngg gggggggggg gggggggggg ggggtggtgng 360
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 g 421

<210> 10480
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-N6-H8
 <400> 10480

gattgaaact tctacatatt atacaagttc tacaaaaaa aacatgggtg atcagtgatc 60
 accatacata atgccatcta gctgtgtgcc tgtgccacaa gacagcagca tcaagttgtc 120
 cacgtaccgt acatcaaaag attaaactat atacagtgc gtcttttgtt ttcctaacat 180
 attgcaagtc ttgaacttct gagaatacat ataaaatttg ctactcattc cacaacagta 240
 gtagcttatg aattgtaatt atctggtaaa aaaggccaaa caaacggcaa taaaaatgaa 300
 catatcacta ccccttttct acacaaagcg agcaaaccag tcgatgccat ttcattctcc 360
 aagtccgcca ggtagctgcc agaagattca gtatgccag cattcattc 409

<210> 10481
 <211> 386
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-087-Q1-N6-A10
 <400> 10481

atattgagat aaatctcaat caatatattg attatttcta ggaaacacat gccggaatga 60
 gggcaccatt atcgagtaca tctcatatgt aatctaaaag gatggcacct ccaacgatgg 120
 gttgctgcct cgacaagaca gggtttatca aagagaactg gttgtatggc agcaattgtt 180
 gctgctgtgg gaaggcagcc accaatgggt tagccactgc tagtggatta agtaactggg 240
 gtcgctgttg tgggcacgca gcagagttcc acatactcag ttggttgaat ggaagcatct 300
 gttgcaagtt ggcagcaggg tttgccacat cttgctgtgt cagatctggg acaatctgtt 360
 gcaacaattg tttttcgggg tgtgtg 386

<210> 10482

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B10

<400> 10482

atcgagataa atctcaatca atatattgat tattttctagg aaacacacgt cggtatgagg 60
gcaccattat cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcctcga caagacagga ttcattcaaag agaactgggt gtatggcagc aattgttgct 180
gctgtaggaa ggcggcgacc aatgggttag ccactaccaa tggattaagt aactgttgct 240
gctgttgtag gtacgcagca gagttcgaca gagtcagttg gttgaatgga agcagctgtt 300
gcaagtaggc aacagggttt gccacagcta gttgagtcag agctgggtaca atctgttgca 360
acaattgttg ttgcaggtat gtaggtgcat tgcccacagc gagcgggcta gatgaaagca 420
gttggtgttg ttgtacgtag gcggcagggt tcacaatgct tggttaccta accgtggcca 480
aaacctgtgg aacctgtggt ggt 503

<210> 10483

<211> 547

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-B2

<400> 10483

agaaatgtac tttcttattt ctgggaagcc acaaactca tccaaaaaac ttcattattg 60
aagtataact cataagcaat ctaaaagagg gcaccaccaa tgatgggttg ttggtagaac 120
gctgttgggt ttgtcaaagc aagtgggttg aatggcagca attgttgtag ttgtaagagg 180
gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240
gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300
gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtnagcagca 360
gctagctgac tgaatggtng ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420

tgggtgaatg gaagaaactg ctgttgctgt gagtnggcag caaggtttcc tagcacaagt 480
 tgttggtgtt tgtgtgcctt gatgttttgt gcctacaaat gtcctaaaagg tactgcttgt 540
 atagggc 547

<210> 10484

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B5

<400> 10484

ccaggcacia aacttgggtca tggacccttc actcatacga actctaaaag gagggccccc 60
 cccctggggg gggggggggg gaccccggtt ggggggtgaaa aaacgcgcgg gttggggggc 120
 ggccacggtg gcggttggga aaggggcccc ggcttggggc gcctgggctg tgtggaaccg 180
 caacacctgg ggggtgtgtga acaggggaca agggctcacc ccagctatcg ggggtgaacg 240
 tgggaaatgg tgctgcggtc acaaagccgg aaagcatacg gcccacaagc gtttgaagga 300
 aaaaaatggg tggggggttg caccacgaac ccgccttaat ggcgttgggc tctactgcca 360
 ctaaaaagcc gagttaaccg gccctgcctg gtggattgag aaaacctcct acgcgcgggg 420
 agaggcagca tgggtttttt ggccatcttg cggttcct 458

<210> 10485

<211> 266

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-B6

<400> 10485

ctggtccggt tcctgtgggc gtccccgttt tccctttttt gtgttctttt tgcgctgggc 60
 gttcttttgg gggggggggg gccctgtggg gccctgttcc cccctcccc ctcccccttg 120
 ttggcggggc ggtggctttg ggtgtggcgc cggggggggc ttgtgggggc gctcgcgcc 180
 gtttgtggcc gggcgctccc ccccccttg ccgggggggg gccctggcgc cccccctcg 240
 gtngtgctc cggccccccc cggcgg 266

<210> 10486

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B7

<400> 10486

ttgccggggg caccgattgg ttttaaattt tggggggaag tcacactccc acgaaacagt 60
tccaaactct tagttcaatt tcctagcccc tttaaattaaa aggggtccaac caaatgttgg 120
aaacaggtgg gtgggtcatc cccgaacagg aaacttttta aaaagcaggg attcaaaact 180
tggcttttag gagaatttca ggctttctcg ggctgaaaat ttcactttta aactctaccc 240
atcctgttca ggttcaccat gcgtgcacca cccttaccac ctttgctgt tggaatagac 300
tggttgcgac cccttgcac ctgaaacctt gaaacgccac cctagcccc gcggtaaccc 360
tgattgcccc tgtccctttg gtgtccacca ccactttggc cagatattgc acctctgccg 420
gagttttcaa acctgttgcc accaccctgc cgcgcc 456

<210> 10487

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-B9

<400> 10487

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tgaactataa ctcataagca atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acactgctgg gtttgtcaaa gcaagttggt cgaatggcag caattgttgc agttgtaaga 180
gggtgccaac gttaggcgca gtgtgcaggt agaacggcaa caaatgttgc tgtgtcaaga 240
aggcagcagg gctcacagca gctagctggc tgaatggtag tagttgttgt tgttgtacat 300
aagcatgaga gttcaatgct gccagttggt tgaatggaag aaattgccgg gggtaggcag 360
cagctagctg gctgaatggt agtagttgtt gttgctgcaa ataagcagca gagttcaatg 420
cagctagttg gttgaatggc agaaactgtt gttgctgaga gtaggcagca aggtttgcta 480
gcacgagttg ttgtagttgt tgtgccctga tgttttgtgc caacaaatgc accaaaggta 540
actgctgttg 550

<210> 10488
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C10

<400> 10488

atcgggataa atctcaatca atatttttggg tattttctagg aaacacatgt cggtttgggg 60
gcccccttgt cgagtccatt tcattttgtaa tctaaaagat ggcccccca accatggggtt 120
gctgcaaggc aggggttcac aaaaagaact ggttggttgg caacaattgt tgttgctgct 180
tcaggaaggt agccaccaat gggttagcca ctgccaatgg attaaataac tgttgctgct 240
gttgtaggta cccaccaaag tttgacacaa ccagttgggtt gaatggaaac aactgttgta 300
agtaggcaac agggtttgcc acaactagct tagtcaaagc tggtaacaatt tgttgcaaca 360
actgttggtg taggtaccta ggggcattgc ccacccgag cgggctaaat taaaatagtt 420
gtaggtagac cgcagggttc accatggctt gttgactgag cactggcata aactgttgca 480
ac 482

<210> 10489
<211> 260
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-C11

<400> 10489

gggggggggt ttaaaaaaat tttttttttt tttntcgggg tnaatntnnt tcnatttttt 60
ggttattttt ggggaacaca cgtcgggtgtg gggggggccat ttttgggttc tttttttttg 120
tnntctaaaa aatttttttt tgggctgttn ggggggtgcc tcgnccngac angntttttt 180
ttnnagaact ggttggtgtg cccgccttgt tgctgctgtn ggaagggggc gccccatggg 240
ttggccnctt cccctgggtt 260

<210> 10490
<211> 295
<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-C2

<400> 10490

ctagaaatgt,ctttcttntt tctgggcccgc nccatacatc atccaaaaaa cttcattatt 60
gaactttaac tcataagcaa tctaaaagta gggcaccacc aatgatgggt tgttggttga 120
acactgttgg gtttgtcaaa gcatgttggt tgaatggcag caattgttgc agttgtcaga 180
gggtgccagc gttcggcatt tcgtgcttgt cgaacggcta caactgttgt tgtgtcttga 240
aggccgctgg gcttacatta gcttgcttgc ttattggtag ttgtttttgc tgttg 295

<210> 10491
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C3

<400> 10491

ggcaacaaga acatcaaata acaaacaaaa cgttgtgtac gtatttctta ttttacatcc 60
agacaagcca gtcacttcc tcaattaaaa aaaattaaga gaataataac tgtgatcagt 120
tcgacgataa tcaatgggtc gctggtgaca gccgacaaca tcctagtaaa atgtagagct 180
gttcattgggt gaagtatgta taatgtgtaa gcttatactg agtactataa ggtgagaatt 240
cattttatcg ctccggcatc aagctagggtc ttggtagcac tacctatcga cttcagcttc 300
tgcacttgca gagttgttgc atgaaca 327

<210> 10492
<211> 547
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-C7

<400> 10492

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tttgcataca cacatatgct cctgcaacta ctatttatta acacacaaac atcaacggcc 120

gaaaaacctc acatcaaagc acagccatct cagcattatt gtcaccttc acagcattca 180
 gattaggcct tcttgcacac gctccctcg cacacatacc cagcaggggc ttcctcactc 240
 atcttttctc cacccaacgc gcacttgggg tgcaggtcaa agtcacactc gtcgcacctg 300
 taggaccagc tgctgcccac ctgcgcacaa ccatcacagc ggtacgtacc acggcgcagc 360
 aggacaagtt cgtgctcgtc atgcagctca tgcttcagct tctgaggcca ccccttcgcc 420
 atctcatcca gcttcttctg tagctcctca agtctctcct cggatgaatgg gaaagcatnc 480
 agcaccgtgg atcatcagct gggaactttg cgtccctgct gactgtctgc ccagtaggtc 540
 cgatggc 547

<210> 10493

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-C8

<400> 10493

aggaaaagta attatcgaac acccttggag accaatatca cattagaatc tggaaatgta 60
 acttcttatt tctggttggc cacatacatc atccaaaaaa ctttattatt gaattacaac 120
 taataatcaa tctaaaagag ggcaccacca atgatgtggt gttggttagga ggctgctggg 180
 tttgtcaaag caagttggac aaagggcaac aattgttgta gttgtaagag ggttgcgggg 240
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 cttgctgcag ctagctcgtc aaatggcagt agtatttgct gctgcaaata agcagcgggg 360
 ttcagtgcgg ccaattgggt aaatggaaga agttgttggt gctgagagta ggcagtagct 420
 agctggctaa atggtaatag ttgttgctgc aaataagcag cagggttcag tgtagacagt 480
 tggttgaatg gaagaaattg ttgttgctga gagtagggag aaagggttgc cagagctact 540
 tggttgatca c 551

<210> 10494

<211> 572

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D10

<400> 10494

tttttttttt tttttttttt ttattttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt taattttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt tggggggggg gggggccggg gggaacctt tttttcccg 180
gggaaggga aaaâaatca aaâagggggg ccccccagg gggggggggg gaaaaaggg 240
gggggggtcc ccaaaaaag gggggtaaaa ggggaaaaat gggggggggg gaaaaaggg 300
aaaatttttc cccaaccccg ggggggaaaa ggggaaaaac ggtggcgtgg caaaaaaggg 360
ttaaattttc ccaaacccg-gggggaaaa ggggaaaaat gggggggggg ggggggaaaa 420
aacaaaaatg tcgcccâac ctgtggagg aaaggaaaa acctggggg ggtaaaaag 480
aggaccggg cccccâaaa gggggggaaa ggggagaaat tgtggcccc ccaâââacc 540
ccggggggcc cccccctt gtgttttgag gg 572

<210> 10495

<211> 491

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D11

<400> 10495

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ccattatga gtacatctca tatgtaatct aaaaaggca cctccaacga tgggttgctg 120
ccacaacaag gcagggttca tcaâââagaa ctggttgat ggcagcaatt gttgctgctg 180
taggaaggca gcgaccaatg ggttagccac cgctagtga ttaagtaact gttgtcgctg 240
ttgtaggtag gcagcagagt tcgacacagt cagttgggtg aatggaagca gctgttgcaa 300
gtaggcagca gggtttgcca cagctagctg agtcagagct ggtacaatct gttgcagcaa 360
ctgttggtgc aggtatgtag gtgcattaac cacagcgaga gggctagatg aaatcagttg 420
ttgctgttgt aggtaggcgg cagggttcac catggctagt tgactgagcg ctggtagaaa 480
ctgttgcaat t 491

<210> 10496

<211> 483

<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-087-Q1-N6-D2

<400> 10496

aatctagaaa tgtactttct tatttctggg aagccacaaa catcagacaa aaaactttat 60
tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggttgg 120
agaatgctgt tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc gcagcgtgct ggtagaacgg caacaattgt ggttggtgca 240
agaaggtngc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgtn 300
aataagcagg agagttcaaa gctgtcagtt ggttgaatgg aagaaattgc tgggggtcgg 360
cagcagattg ctggctgaat ggtagttggt gttgttgtna attagaagca gagttcaatg 420
cagcttggtg gttgaattgg aagaaactgt tgttgctgcg agtttgcagc aaggtttgct 480
tgc 483

<210> 10497
<211> 542
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D3

<400> 10497

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actataactc ataagcaatc taaaagaggg caccaccaat gatggggttg ttgtagaaca 120
ctggtgagtt tgtcaaagca agttggttga atggcagcaa ttggtgcagt tgtaagaggg 180
tgccagcgtt aggcatagcg tgcaggtaga acggcaacaa ctggtgttgt gtcaagaagg 240
cagcagggct cacatcagct agctggctga atggtagtag ttggtgctgc tgtaaataag 300
cagcagagtt caatgctgct agttggttga atggaagaaa ttgctggggg taggcagcaa 360
ctagctggct gaatggtaat tgttggtgca aataagcagc agagttcaat gcagccagtt 420
ggttgaatgg aagaaactga tgttgctgag agtatgcagc aaggtttgct agcacaagtt 480
gttgtagttg ttgtgccctg atgttttgtg ccaccaaatg gaccaaaggt aactgctgta 540
at 542

<210> 10498
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D7

<400> 10498

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aatgatgggt tgttggtaga atgctgttgg gtttgtcaaa gcaagttggt tgaatggcag 120
caattgttgc agttgtaaga ggggtgccagc gttaggcgca gcgtgctggt agaacggcaa 180
caattgtggt tgtgtcaaga aggtagcagg gctcacacca actagcttgc tgaatggtag 240
tagtttgttg ctgc 254

<210> 10499
<211> 492
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-D8

<400> 10499

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ctgttggtt tgtcaaaaca agttggttga atggcagcaa ttgttgcagt tgtaagaggg 180
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<210> 10500
<211> 530
<212> DNA
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<223> Clone ID: LIB3061-087-Q1-N6-E10

<400> 10500

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cagacgacgc agatacccag gtacagcagc agcttaaatg aaccatggct tactgaccac 240
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gggttatggg cttgccagtc aagggtcttca caaagatctg cataccacct cgcaagcgga 480
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<210> 10501

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-E4

<400> 10501

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aattttattat tacagtataa agcataaaaa atctagaaga tggtagaccac aatgggtgggc 120
tgatgcaata aggtggtagg attcgtcaaa gcgagttggc taaatggcag caattgctgt 180
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<210> 10502

<211> 240

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-E6

<400> 10502

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<210> 10503

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-E7

<400> 10503

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 ccccaaagg ggaggggggg gggggggaat tttggggggg gggggggggc cacaccccc 180
 acaggggggg gggggggggg cccccgaaaa aaagcccccc cccctggggg gggcgggggg 240
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 ggggaaaaag gggggggaaa aaattggggg gaaaaaagg caaaaaaga aaaaaatgg 360
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<210> 10504

<211> 527

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-E8

<400> 10504

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 aggatgaaca cagcactaac aactgacaca gagcgacctt caatcaaaaa cacagatggg 180
 caacaacaaa cagagacga acgaagataa acactctgga ctagggtaaa caacacggta 240
 gcgaacagga taacttggcc gcggggggcc caccgctcag ttctctcagt tccgctcgga 300
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gccaccgccc tagccgccgc ctccaaggcc accaccgtac ccgccgccgc cgccgcctcc 480
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<210> 10505

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F10

<400> 10505

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aggggtgccag cgttaggcgc agcgtgcagg tagaacggca acaactgttg ttgtgtcaag 240
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agttggttga atggaagaaa ctgctgttgc tgagagtagg cagcaagggt tcctagcaca 480
agttgttgta gttgttgtgc cttgatgttt tgtgccaaaca aatgcaccaa aggtaactgc 540
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<210> 10506

<211> 543

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F11

<400> 10506

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gcagggttca tcaaagagaa ctgggtgtat ggcagcaatt gttgttgctg ctgcaggaag 180
gtagcgacca atgggttagc cactgccaat ggattaagta actggttgctg ctggttgtagg 240
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gcagggtttg ccacagctag ctgagtcaga gctggtacaa tttgttgcag caactgttgt 360
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 acggcagggg tcaccatggc tagttgactg agcactggca taaactgttg cagctgttgt 480
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 tgc 543

<210> 10507

<211> 535

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F3

<400> 10507

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 gactcaacta gctagctagc cagcggctat actacagcac atagtttctt cagtggggga 180
 caccgccggc agcagcgtag gggcatggag tgggctgctg caggccgcac atcgccgtca 240
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<210> 10508

<211> 311

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F4

<400> 10508

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 ggttggggcc ccccgttttg ggttccttgg agggggcccg cgctttttgt tttttggggg 180

ggggaagggg gggggtttgt gcccgtcggt gggggggggg gggggtttgg ttttaaggtag 240
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<210> 10509

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F5

<400> 10509

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 caaataagca gcgggggttca gtgcggccaa ttgggttaaat ggaagaagtt gttgttgctg 360
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 gttcagtgtg gacagttggg tgaatggaag aaattgttgt tgctgagagt agggagaaa 480
 gtttgccaga gctacttggg tgatcacagg tagcacgagt tgctgcagct gttgtgccct 540
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<210> 10510

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-F6

<400> 10510

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tnagaaggcg acattgtttg ccacatcctg tgggtngaag gtagcaact gttgctgttg 240
 caagaaggcg ttaatgtttc ccacaacctg tgggtnaaat ggcagcaatt gttgttggtg 300
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<210> 10511

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F7

<400> 10511

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 ggtagctagt cagcggctcc attacattat tactacagta catagtttcc tcagtagtag 180
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<210> 10512

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-F8

<400> 10512

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tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480
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aataggg 547

<210> 10513

<211> 555

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G10

<400> 10513

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gcggcactcc caaacttaac agcagccatt gtcatgcttg aaagactacc attctcaaaa 480
gaaatttaac actaagtgtc gcaggtatgg gctaagctca atagatcagg tcgtgccact 540
taatccaata gtctg 555

<210> 10514

<211> 189

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-G12

<400> 10514

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gcctcttggt tttccaagc ccgtttgcc ccgggcccc cccgtttccc ttttttggg 180
gtttcggg 189

<210> 10515

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G3

<400> 10515

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gcacaagttg ttgtagttgt tgtgccctga tgttttgtgc caccaaattg accaaaggta 540
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<210> 10516

<211> 551

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G4

<400> 10516

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 aactaccatt cagccagcta tctgtgcctt acccccagca atttcttcca ttcaaccaac 480
 tgacagcatt gaactctcct gcttattttac agcagcgaca actactacca ttcagccagc 540
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<210> 10517

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-G6

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<210> 10518

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G7

<400> 10518

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<210> 10519

<211> 550

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-087-Q1-N6-G9

<400> 10519

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<210> 10520

<211> 102

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-087-Q1-N6-H11

<400> 10520

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<210> 10521
 <211> 195
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-089-Q1-N6-A1

 <400> 10521

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 aagcttgcct tgcgtttcat tggcttggtg ggggttggtt ctcttggtc cttcttctgg 180
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<210> 10522
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-089-Q1-N6-A10

 <400> 10522

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<210> 10523
 <211> 518
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 10523


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<210>      10524
<211>      341
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3061-089-Q1-N6-A3

<400>      10524

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cccgggtttt ccaaaccggt gtgggtggct ggccccaatt ggggccgttg ggggaggggc 240
cccccttttg ggccccggg ccggtggccc ccgcaaaacc gggggtggtt tcgggggggg 300
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<210>      10525
<211>      308
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
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<400>      10525

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tttttttttt gggggggggg tttttttttt gtgggggggg ggttgggggt tggtttgggg 120
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 ggggggcggc cgctcccgtg cggggggggg cgcgccgggg ggggcgggcg gngggggggg 240
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<210> 10526

<211> 524

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-A9

<400> 10526

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 actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgagc ttgtaagagg 180
 gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtggttg tgtcaagaag 240
 gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcaggagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
 ggtagctggc tgaatggtag ttgttgttgt tgcaaataag aagcagagtt caatgaacct 420
 agttgggtga atggaagaaa ctgctgttgc tgagagttgg cagcaagggt tgctagcaca 480
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<210> 10527

<211> 500

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B11

<400> 10527

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 agatttccca aatgtcatga atcagtagta gggcggaatg gcagcggaga cgccacaggg 180

gttggtgctg tagctgggca gctggtactg gtagagtcca cccatggccg gcatgttctg 240
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catcagagct ggctcgtaca ggctgctgct ggcggcagcg gcacgctcaa gctgcatcat 360
catctgcagc tgctgcgcga cggactgcac gtccatcatc ctcatctgct gctggcagca 420
ctgttgcccg agcggctgga acatggcgct cggctgccc caccggcggt tgttgggcgc 480
cgccgccagc gggctgcact 500

<210> 10528

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B12

<400> 10528

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gggggccccct tttcgggtcc cttttttttg gggggggggg ggtggccccct cccacgggtg 180
gttttttccct taacaaaaca gggtttttca aagagaaccg gttgtttggg ggtaattttt 240
tttttttttg ggggggggcg ccccttgggt tggccccccc ccctgggttt ggttactgtt 300
gtcccttttg tggggccccc cccccgcccc cccttttttt tttgttgagt ggggcctgct 360
ttttcccggtg ggccaccggg ttgcccc 388

<210> 10529

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B3

<400> 10529

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gatgggttgc tgccacgaca aggcagggtt catcaaagag aactgggttg atggcagcaa 180
ttgttgctgc tgtaggaagg cagcgaccaa tgggttagcc accgctagtg gattaagtaa 240

ctgttgctgc tgttgtaggt acgcagcaga gttcgacaca gtcagttggt tgaatggaag 300
tagttgttgc aagtaggcag cagggtttgc cacagctagc tgagtaagag ctggtacaat 360
ttgttgcagc aactgttggt gcaacaactg ttgttgcagg tttgtnggtg cattgccccat 420
agcgagcggg ctagatgaaa gaagttgttg ctgtttagg taggcgatag gggtcaccat 480
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<210> 10530

<211> 545

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B4

<400> 10530

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ctgttatcac aatgaaagaa gacaagcggg cgcttctcaa tattcgacgt cagagcagcc 120
gaaatctcca aatcttgcag tgtccctcct gttagatcct gaagagtata gcccttttca 180
cccactcaca gcataacttt aactcccccc cccccccacc aatgctatca cctacgtact 240
atctatgcgc cgctcctgcc tttcttcgac ttgttcttgt tttcttgtgt cttctttttc 300
ttctcttcag gtgttgcca cacgtaattg gaaggaatgg cgaatgggtc ctggatgtcc 360
tccacgcggc tgcttgggcc cggtgccgtc gacaagttct ggaggttggg cgccttgntc 420
cactgaatcc aggaacttga agaaggctgc actgctgggc tcttgctgtt gtcnngactt 480
gaggggtggtg tgggtgaactc atctagcggc tgtagctctt caaattttgt gaatgtcaca 540
agcac 545

<210> 10531

<211> 515

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-B5

<400> 10531

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gcaaacggaa agattcacct gagaataaaa caaactacct tggattggac tagagaaaag 120
 ttgggtaccg gaactgctgc gaccaaaccg aatttcatgg caaacttctt gtggttacag 180
 tctagcatct cgctgaggct gcagctcgag ttcattctgct taagcacctt gtggcggtac 240
 tccaggctcc tcttgaggcc atggcgaaaag aactgggggt aacctaccac ctgcgccatg 300
 tcccgcacca tctcttcgac caggaacttg atccttggct ccaggcaatg tttgatgctc 360
 ttggtgagaa caggagggtt accagcttcc agtgccgtga cctgatccct gctgnatccg 420
 cggctctgtt ggaacgcagc attgggcccgc nggatcttat ccacgtctcg cgacagttaa 480
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<210> 10532
 <211> 226
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10532
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 ggaatgaggg caccattatc gactacatct catatgtaat ctaaaagatg gcacctccaa 120
 cgatggggtt ctgcctggac aagacagggt ttatcaaaga gaactgggtt tntggcagca 180
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<210> 10533
 <211> 520
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B7

<400> 10533
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 gtagaatgct gttggggttt tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagagggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaatt gtggttgtgt 240

caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca ggagagttca aagctgtcag ttgggtgaat ggaagaaatt gctgggggta 360
 ggcagcagat agctggctga atggtagttg ttgttgctgc aaattagaag cagagttcaa 420
 tgcagctagt tgggtgaatg gaagaaactg ttgttgctga gagtaggcag caaggtttgc 480
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<210> 10534

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B8

<400> 10534

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 aggcgggggt catcaaaaa aactggctgt ttgggtggcaa ttgttgcttc tttgggaagg 180
 cggggcccaa tgggttaggc cctgctagt gtttaagtaa ctgttgctgc tgttggtggg 240
 cccccgccgg gttccccca ttcagttggg tgattggaag ctgctgttgc aagtgggccg 300
 cgggggttgc cactgcttgc tgggtcagag ctggtccaat ctgttcacc atttggtgtt 360
 gccgggttgt tgggtgcttc cc 382

<210> 10535

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-B9

<400> 10535

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 aattacaact aataagcaat ctaaaagagg gcaccaccaa tgatgtgttg ttggtaggag 120
 gccgctgggt ctgtcaaagc aagttggaca aagggaaca attgttgtag ttgtaagagg 180
 gttgcggggg tagccgcaaa ctgctggtag aaaggcagca actgttgctg tgtcaagaag 240
 gaagcacggg ttgctgcagc tagctggcta aatggtagta gtatttgctg ctgcaaataa 300

gcagcgggggt tcagtgcggc caattgggta aatggaagaa gttgttggtg ctgagagtag 360
gcagtagcta gctggctaaa tggtaatagt tgttgctgca aataagcagc agggttcagt 420
gtagacagtt ggttgaatgg aagaaattgt tgttgctgag agtagggaga aagggtttgcc 480
agagctactt ggttgatcag aggtagcacg agttgctgca gctgttggtc cc 532

<210> 10536
<211> 375
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-089-Q1-N6-C10
<400> 10536

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gggggggggt ccccccccc ccccgggggg gggaaattgg ttaactgttg ggggaaaaat 180
ttcccccaa aaaaattttt acccgcccca aaaaaaatgg ggggggggtt taaaaggacc 240
gcccccccc cctggggggg gggggggggc cccctgcggc cctttttcgg ggttttcgg 300
ccctcccaa aatggggggg agggggggcc cacccttgtc ccccccccc tttttgggg 360
tcttggggcc ccgaa 375

<210> 10537
<211> 486
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 10537

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tgaactataa ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acgctgctgg gtttgtgaag ggaagtgtgt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttagggcga gctgctggtt agaacggcaa caactgtggt tgtatcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttgttgc tgctgtaa 300
aagcaggaga gttcaatgct gccagttggt tgaatggaag aaattgctgg gggtnngcag 360

caggtagctg gctgaatggt agttgttggt gttgcaaata agaagcagag ttcaatgcag 420
 cttgttggtt gaatggaaga aactgctggt gctgagagtt ggccgcaagg tttgcttgca 480
 caagtt 486

<210> 10538
 <211> 390
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 ctgcaaggcg ggggggggtc aaagagaact gggtgtctgg cagcaattgt tgttgctgct 180
 gcaggaaggt tgcgaccaat gggtttgccc ctgcccattg attagtnac tgttgctgct 240
 gttgtnggtc cgccgccngg tttggcccag ccggttggtt gaatggaagc aactgttgct 300
 agtgggcccgc tgggtttgcc tccgcttgct gtgtccgggc tggttccctt tgttgctgct 360
 cctgttggtt tgggttcggt ggtgccttgc 390

<210> 10539
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-089-Q1-N6-C4
 <400> 10539

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 gtagaact gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgtagt gcatagcgtg caggtagaac ggcaacaact gttgttggtg 240
 caagaaggca gcagggctca catcagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca gcagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360

ggcagcaact agctggctga atggtaattg ttgttgcaaa taagc

405

<210> 10540

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C5

<400> 10540

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aactataac cataagcaat ctaaaagagg gcaccgcaa tgatgggttg ttggtagaac . 120

gttggtgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180

gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actgttggtg tgtcaagaag 240

gcaacagggc tcacatcagc tagctggctg aatgggtgta gctgttgctg ttgtaaataa 300

gcagcagagt tcaatgctgc cagttggttg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgttggtgc aaataagcag cagagttcaa tgcagccagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480

tgttgtagtt gttgtgcctt gatgttttgt gccacaaat gcaccaaagg taactgctgt 540

aatagggctg aca 553

<210> 10541

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C6

<400> 10541

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taaaaaaaaa aaaaaaattt tgggcccttt ttttttaaac ccccttttgg gattaaaacc 120

gttggggaaa aaaatttttt tttttcaaaa ccccccaaat ttatttgctc cccgggggtt 180

tttttggggg gttggggggc ccccccccc cctttttggg gggttttttc cctttttcaa 240

aaatcccccc ccccttttga attttttttg aaacccccca aaaaaaaaaa ggggggggtgt 300

ggcccccccc ccgttttttg gttcaccccc ttttaaaatt ctttgggaaa attttttgg 359

<210> 10542
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C7

<400> 10542

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tcgtcttact gcattttttac atatttttgat tgggggggggt gggtagagga gatttcccaa  120
atttcacatgaa tcagtagtag ggcggaatgg cagcggagac cccacaaggg ttggtgcgga  180
tgctgggcag ctggtactgg tactggtaga gtccacccat ggccggcatg ttctgcgcca  240
tcacatcatggc catgggggtg agaccctggg ctgccagcag ctgctgctgc tgctgcatca  300
gagctggctc gtacaagctg ctgctggcgg cagcggcacg ctcaagctgc atcatcatct  360
gcagctgctg cgcgacggac tgcacgtcca tcactctcat ctgctgctgg cagcactgtt  420
gccggagcgg ctggtacatg gcgctcgtct gcccacacc gccg                                     464

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<210> 10543
 <211> 548
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C8

<400> 10543

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gtggtcaagt tcaacgcggc gctggcgcac cacatcatgg ccggcgccga cgtgctcgcc  180
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cctgcgcct gcgcgtccac cggtggactc gtcgacacca tcactgaagg caagaccggg  300
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gtggccacca cattgcagcg cgccatcaag gtggtcggca cgccggcgta cgaggagatg  420
gtgaggaact gcatgatcca ggatctctcc tggaagggcc ctgccaagaa ctgggagaac  480
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<210> 10544

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-C9

<400> 10544

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gagggcgcac atatcagcat gagaacttta ttattacagt ttaaatacata aaaaatctag 120

aagatggcac caccaatggt gggcgattgc aataaggggg taggattcgt caaagcatgt 180

tggctaaatg gcagcaattg ttgttgttgt aagaaggcaa caatgtttgc cacattatgt 240

gggtagaatg gcagcaattg ttgctgttgc aagaaggcat taatgtttcc cacaacctgt 300

gggtaaaatg gcaacaattg ttgttgtcgc aagaagaag caatgttttc cacagcttgc 360

aaatggaatg gcaaaagctg ttgttgcagt aagaaggcat cagggtccc gacaagttgg 420

ttaaattggt gtagttgttg tgcctgcaag tagacagcag ggttcacccc acctagttga 480

ttgaatggaa gaaattgttg ttgct 505

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<223> Clone ID: LIB3061-089-Q1-N6-D10

<400> 10545

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atcttcggct ccaactaaca acatcgaaag cgaacaagac tctcctctgg tccttcacgt 180

ctcaagcaga ccttgcactc tttctttctca cctgcaaaat tgggtctccac gtcataaatg 240

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gctggggccag cccatgacca gtaggactgc gcctttctcc tcttcaggat cgccttgggt 420

ggtaggggcct tgctgaccac gtccctgtgc cgggcactct ccttctgttc cttctttacc 480
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gcgtccgatt 550

<210> 10546

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D12

<400> 10546

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ccatggttaa gtatgcctc cggctcgggt gggggcggac atactactag ttcacaaatc 180
gccacaaaac gacaaagcca gaactgatta cgacaacatt tacagccata cgtgctggcc 240
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gtgacttcct tcacttcgtc cacgtccacc ttcaggaaga cgacctgagt gaacttcttg 480
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<210> 10547

<211> 519

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D2

<400> 10547

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gctgctgggt ttgtcaaagc aagttggttg aatggcagca attgttgagc ttgtaagagg 180
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ggttgctggc tgaatggtag ttgttggtgt tgcaataat aagcagagtt caatgcagct 420
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<210> 10548

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D5

<400> 10548

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aacttttttt ttacaagctt tatttttaact gtggttgat ttttttttc catttcggct 180
ccctgagttg gtttcacttt gccctcaaat ttcttattt taattgtcca ggcccttcct 240
tacttccctt aaacaaccta attttgtgct tgagccaaat ttctttaaac ttatgctttt 300
ttgttggtta aaaaatcttt ttgtttgtcg tggttacca aagcttcaaa acattttttt 360
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<210> 10549

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D6

<400> 10549

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ggtagaacgc tgctgggggg gggaaagcaa gttggttgaa tggcagcaat tgttgagctt 180
gtaagagggg gccagcgtaa ggcgcagcgt gctggtagaa cggcaacaac tgtggttgta 240
tcaagaagg agcagggctc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300

gtaaataagc aggagagttc aatgctgcc a gttgggtgaa tggaagaaat tgctgggggt 360
aggcagcagg tagctggctg aatggtagtt gttgttggtg caaataagaa gcagagttca 420
atgcagctag ttgggtgaat ggaagaaact gctgttgctg agagtaggca gcaagggttg 480
ctagcacaag ttgtttagt tggttgccc tgatgttttg tgccaataaa tgcaccaaag 540
gtaactgatg taa 553

<210> 10550

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-D8

<400> 10550

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tactcggtag gaagtgatta ctatgctgat ggcccacaac tttcttaaac cttgaaccca 120
cggtgttcc tgctgccacg agccttctcg aacttccttc ccttgagcg cacatatggc 180
ttggtgtggc tgtgcgccac tccaggagcc ttgcgaagt gcctcacgc ctcacgggca 240
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tcaaattgtga ggcaactccc accagcattg acaatcctgg cccttgccgt ctcggtgaac 360
ctcagggcag taaccttcat tgctggaacc tcttgatcc tcttgatcc tgtgactgtg 420
ccaacaatca cagcaatgtt cttctcctt ccttccatga acttgacaag gggcgcatg 480
gagattggtg ggcgattggt ttgctcatg aagagcctct tg 522

<210> 10551

<211> 439

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-E1

<400> 10551

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gatagattcc acgcgttagg tgccccctc acttagcatt cttagacagg ttattctttt 180

ctccatctcc tcagtttcct tccctagagg taaactaaaa cacgttcagt aaggtcggta 240
 tcgccaatcc gaccttgatc tgctgcttcc gctgctgggg ccatcgccgt aattttcatc 300
 ttgaccaccg ctgaacctgc caaaagatct cattgaacca taagctccgt taaggtccgt 360
 gggatcaatg ttaccactcc cagttgnatt attctcaagt ggttgacccc gtgtctattg 420
 aacctcatgg ccataatt 439

<210> 10552

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-E10

<400> 10552

ggttgggtgtt tttttttttt tttttttgtg tgggtgggggt ttttttttat tttttttttt 60
 tatttntntt ttnntttggn nntttgttng ggggggcctn ntttnggttg gttgtttttt 120
 tttttttctc cttttgtttn nnnttngggg gggggggggg cgcncntttt tctcactgnt 180
 cccccctcc gtgccccct gnggtnnncc cgnngcggcc ccccccccc ctggggggggg 240
 gggecccttt cgcccccccc cccctttttt tttttttggc gggggggggc cccccccttt 300
 tttttgcccc cccccccctt tttttnccgc gggggggggg gtttttgggg gggggggggg 360
 gcccccccc cccccggggg gggggggggg gcgggnnaaa ccccccccc cttttggggg 420
 ggggggcccc ccccccccc ccccggggg ggcccccccc cccccgggg gggggcccc 480
 cccc 484

<210> 10553

<211> 147

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E12

<400> 10553

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 aaaactttat tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg 120

ggttggtggt agaacgctgc ttggttt

147

<210> 10554

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E3

<400> 10554

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tttaattgca atttctgcaa taaacattgt tttgatgagc tggactggct tcttccaact 120
cagactaggg atcagggttg ccaagtttag ctcatcacc ggagtcgtct tcctcctcgc 180
taagctcttc atcactggac ttgtcttccg gagtgatacc agcgtcctct ggtttggcat 240
acttctcaca atattctttc actttctgtt cataaacagg acgatcacgc atcatcagt 300
ctgcagctc cccatttaat ggatcagaag gatttgata tagtaacagc tgtggaagga 360
atacttcaaa aacatttact agatcaaaca ttgggctcca tgtttggttt ttgacatcta 420
aacatacaga gccagacatc tcatcgacat ttgggtgata aatcttggtg atgaagccga 480
tggacgggga tttgtaagga tatgcatcag gcagttctac cctaacct 528

<210> 10555

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E5

<400> 10555

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tattgaacta taactcataa gaaatctaaa agagggcacc accaatgatg ggttggtggg 120
agaacactgc tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt tgcagttgta 180
agagggtgcc agcgttaggc gcaacgtgct ggtagaacgg caacaactgt ggttgtgtca 240
agaaggtagc agggctcaca ccagctagct ggctgaatgg tagtagttgt tgctgctgta 300
aataagcagg agagttcaat gctgctagtt ggttgaatgg aagaaattgc tgggggtagg 360
cagcaggtag ctggctgaat ggtagttgtt gttgttgcaa ataagaagca gagttcaatg 420

aacctagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttgcta 480
gcacaagttg ttgtagttgt tgtgcc 506

<210> 10556

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E6

<400> 10556

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aatctcaaca ccaaagaatg agaggggcta cacggctaga gggaacacat ttttgaagat 120
ctacaggcac agacgctggg ggggagaagt taaaagaagc caacatgctt actacaaaaa 180
gtagtctggg gtcttgcgcg tcatgtccgg ctcaatttgc cgcgagctg ggtcgaattg 240
gaggaagttc tgatccatgt tctcgccaat ttogaggatg gcagccatgt ttccgcatcg 300
gtagcagtag ttaggcgcgc tgaacactgt cacaacgttc ttatcctgac accaattgaa 360
gccttccatt acaagttgat gtgcccttga aataagactt agcccatttg tatggttgaa 420
ttgttgtgca atatcttggc caaatgtgta tccagcacc cttggtgaaa ttccccaccc 480
gcatcgggtca tctgggtcag accacaaaaa atcacacata ggtccttcat gt 532

<210> 10557

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-E7

<400> 10557

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ccttttgggt ttgtcaaacc aagttgggtg aatggcccca attggtgcaa ttttaaaagg 180
gtgccccct taggcatttc ctgccggtta aaccgcaacc accttttttt tgtcaaaaag 240
gcaacagggc tcacatcaac taactggctt aatggtagta gttgttgctg ctttaataaa 300
accccaaaat tcaatgcttc ttgttgggtg aatggaaaaa attgctgggg gtagg 355

<210> 10558
<211> 509
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-E9

<400> 10558

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tagaactaca tcatttatga aacaggggtc ctgtnttgct aaggatccca ttaaaagtca 120
tattcaataa aaggttgcgg atgaaacatc gcgaactaca aattctatgg cacaacagaa 180
gcaggcaggc atgaagctcc tcagttcatt ccaaccgcac ggtatgataa cgccccagga 240
ggccaggagc caatgcgaaa gttgagctaa attacacctt gcttgccccg ctccgttcaa 300
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gcgactcctt gatcgacaaa agctccggga actctctctt cagtttggtc tggtaagct 420
cattgttgct cctcgggtgc actatgacct ttgcctgctc ctccaggttg aagtttttcc 480
aggagaagcc tggatcgatg tagtctctg 509
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<210> 10559
<211> 367
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-F10

<400> 10559

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gggggggggg ggnnnnnnnnn nnnnnnnnnn tntnnnnnnn nnnnnctttt tttttttccc 60
cttttttttt tttttctctc tctttctctc tctttttttt cttttttttt cttttttttt 120
tttttttttt tctttttttt ttcttttttt tttttttttt tttctttttt tttttttttt 180
ttcttttttt ttcttttctt tttttttttt tttttctttt tttttttctt ttttttctct 240
tttttttttt tcttttctcc tttttttttt tttttctttt cttttctttt tttctttttt 300
tttttttttt tttctctctt tttttttttt tttttttttt tctctctctt tcttcttttt 360
tttttttt 367
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<210> 10560
<211> 532
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F11

<400> 10560

cacataagaa tctagaaatg tactttcttta tttctgggaa gccacaaaca tcagacaaaa 60
aactttatta ttgaactata actcataaga aatctaaaag agggcaccac caatgatggg 120
ttgttggttag aacgctgctg ggtttgtcaa agcaagttgg ttgaatggca gcaattgttg 180
cagttgtaag aggggtgccag cgttaggcgc agcgtgctgg tagaacggca acaactgtgg 240
ttgtatcaag aaggtagcag ggctcacacc agctagctgg ctgaatggta gtagttgttg 300
ctgctgtaaa taagcaggag agttcaatgc tgccagttgg ttgaatggaa gaaattgctg 360
ggggtaggca gcaggtagct ggctgaatgg tagttgttgt tgttgcaaat aagaagcaga 420
gttcaatgca gctagttggt tgaatggaag aaactgctgt tgctgagagt aggcagcaag 480
gtttgctagc acaagttggt gtagttgttg tgccctgatg ttttgtgcca at 532

<210> 10561
<211> 307
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-F12

<400> 10561

gggggggggg ggggttaaaaa aaatttagaa agtctttctt tttctgggga gcccaaactt 60
attcaaaaaa ttctttttga agtttactct aagcatctaa aaagggcccc ccccaaattg 120
gtttttggtt gaacgggggg gggggtgtca aaacaagggtg gttgaatggc agccattgaa 180
gcaattgtaa aaggggtgcc gcgttagggg caccgtgccg gttgaacggc aacaactggt 240
gttgtgttca gaaggcgaca gggcctcaca tcanctagct ggcttaatgg ggggggctgg 300
tgctggtt 307

<210> 10562
<211> 299

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-F3

 <400> 10562

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 tttttttttt gggggggggg ggggtggtttt tttcaaatcg gggggggcgg ggggccaat 120
 tttttttttt tttggggggg gggggggggg tgccccctt ttttggggg gggggcccct 180
 tttttttttt taaaagggg agcccgcggt ttttcgctt ggggggtntt ggggggtttt 240
 tttgtttggt gtccttctcc ccgggggggt ttggggggcc cttttttttt cgggaaaaa 299

<210> 10563
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-089-Q1-N6-F4

 <400> 10563

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 caaccgatcg gtttgacgat tattctccta tttattagca ccagcttttt ttttttagcc 120
 atgtctggag tctggacttg caagcaaccg agatcgggtga ttcagagata gattcatcgg 180
 tttgcatgag catgacttgt tggcagccac tttttttcac caccattcac caacgcatgt 240
 tcaaagtctt gcattattat tgcattgcct ccgcctggtg atgattgac agtgcagcgc 300
 cgtcaggaca gttgaccctt ccaccacctt gaaagtggca ccgcagattt ctttttcgtc 360
 ggcggggaca gcggtgacct tgtgcttggg gttttcgtag cacttgagcc cttcgagggc 420
 gttggagttg aagcagcctt gcgggaacgg cgcgag 456

<210> 10564
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-F6

 <400> 10564

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 actataactc ataagaaatc taaaagaggg caccaccaat gatggggttg tggtagaatg 120
 ctgctggggtt tgtcggaggg aggggggttg atggcagcaa ttgttgccgt tgctagaggg 180
 tgccagcggtt aggcgcagcg tgctgggttg acggcaacaa ctgtgggttg gtcaagaagg 240
 tagcngggct cacaccagct ngctggctga atggtagtng ttgttgctgc tgtnaataag 300
 ccggagagtt caatgctgtc cggtgggttg atggaagaaa ttgctggggg ttggccgcag 360
 attgctggct gaatgggttg tggtg 385

<210> 10565

<211> 392

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-F7

<400> 10565

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 tgtttgaatt acatcttttt ttcaatctaa aagaggggccc cccattggg gtgtgggggg 120
 ttggaggctg ctgggtttgt caaagcaggt tggccaaagg gcaacatttg ttgtgggtgc 180
 aagagggttg cggggttagc cgcaaactgc ttgtngaaag gcatcatctg ttgctgtgtc 240
 aagaaggaag cgcgcttgc tgcagcttgc ttgctaaatg gccgtngttt ttgctgctgc 300
 taatccgccg cggggtttat tgcggccaat tggttttttg gaagaagttg ttgttgctgt 360
 gtgttggcct ttgctcgctg gctaaatggt aa 392

<210> 10566

<211> 526

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F8

<400> 10566

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ctgctgcaat aagggggggg gattcgtcaa agcaagttgg ttaaattggca gcaattgttg 180
 ttggtgtaag aaggcgacat tgtttgccac atcctgtggg tagaatggta gcaactgttg 240
 ctggtgcaag aaggcgtaa tgtttccac aacctgtggg taaaatggca gcaattgttg 300
 ttggtgtgc aagaaagcag caatgtttgc cacaacttgt agatggaatg gaagcaactg 360
 ttgctgcagt aagaaggcag cagggctcct gacaagtggg ttgaatggta gtagctgttg 420
 tgcctgcaag taagcagcag ggttcacccc agctagtga ttgaatggaa gaaattgttg 480
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<210> 10567

<211> 513

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-F9

<400> 10567

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 gggggaggct gctgggtttg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
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 caagaaggaa gcacggcttg ctgcagctag ctggctaaat ggtagtaata tttgctgctg 300
 caaataagca gcgaggttca gtgcggccaa ttgggttaa ggaagaagtt gttgttgatg 360
 agagtaggca gtagctagct ggctgaatgg taatagtgtg tgctgcaaat aagcagcagg 420
 gttcagtgtg gatagtgtgt tgaatggaag aaattgttgt tgctgatagt agggagaaaag 480
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<210> 10568

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-G10

<400> 10568

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tattgaacta taactcataa gcaatctaaa agagggcacc accaatgatg gggtgttggt 120
agaacactgt tgggtttgtc aaagcaagtt gggtgaatgg cagcaattgt tgcagttgta 180
agaggggtgcc agcgttaggc atagcgtgca ggtagaacgg caacaactgt tgttgtgtca 240
agaaggcagc agggctcaca tcagctagct ggctgaatgg tagtagttgt tgcgtctgta 300
aataagcagc agagttcaat gctgctagtt gggtgaatgg aagaaattgc tgggggtagg 360
cagcaactag ctggctgaat ggtaattggt gttgcaaata agcagcagag ttcaatgcag 420
ccagttgggt gaatggaaga aactgatggt gctgagagta tgcagcaagg tttgctagca 480
caagttgttg tagttgttgt gccctgatgt tttgtgccac caaatggacc aaaggtaact 540
gctgtaatag ggctga 556

<210> 10569
<211> 263
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-G11
<400> 10569

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ntnnnnnnttn 120
nnnttttttt gggggggggg ggggtttttt ttggggnnnt ttttttaatt tttttttttt 180
ttttttcttt tttctttttt ttttcctttt ttgggttttt tttttttttg tttttttttg 240
tttttttttc tgttcttttt ttt 263

<210> 10570
<211> 513
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-G3
<400> 10570

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aactataact cataagcaat ctaaaagagg gcaccaccaa tgatggggtg ttggtagaac 120

actggttgggt ttgtcaaagc aagttgggtg aatggcagca attggttcag ttgtaagagg 180
 gtgccagcgt taggcatagc gtgcaggtag aacggcaaca actggttgtg tgtcaagaag 240
 gcagcagggc tcacatcagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
 gcagcagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtnggcagca 360
 actagctggc tgaatggtaa ttgttgttgc aaataagccg cagagttcaa tgcagccagt 420
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 tgttgtagtt gttgtgccct gatgttttgt gcc 513

<210> 10571

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-089-Q1-N6-G4

<400> 10571

aaaaagggcc cttttttttt tggggggggc cccccctcc cccaaaaaac tttgttttgg 60
 gccctttccc cttaaaaaat ttaaagagg ggccccccc aattgggggt ttggggaaaa 120
 acccccgggg ttttcaaacc caagtgggtt ttttggcccc cttttttccc tttttaaagg 180
 gggccccctt ttggggcccc cctctttttt tcccccccc cccctgggtt ttttcaaaag 240
 gggggcgggg tcccccccc ccccttggtt taaggggggt attttttcc cttttttata 300
 cccggggagt ttcaacgcc ccttttggtt ggtgggaaaa aatttttggg gggggg 356

<210> 10572

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-G5

<400> 10572

gaaaaaaaac gaaacattaa atccatccca agcatgcaac aacagatgcc cactgaacta 60
 gagcagttca agttccaaca ttcaccacat gttgtttact gacatctgtt ttctagttct 120
 gaatttatte gttcaggggt gcatgcaact gtcggctgtt atttttatct ctcgcaattg 180
 aggtgtcaga tctgtccttg ttccccaatt ctcgaggggg gaggtgtcat ttctcccctt 240

ttgtctatag aagaaaaacc ctgtgcgtca attgtacgcc acctgactgc aaaaactcta 300
 tcttcagctt gtcgctttcc tcacaaacag cttttgaacc tgctccaatg tcaagaacat 360
 aatcacattc caagatccca gtcttgcaaa gtttggcagg aagcctttgt naaatgccaa 420
 agggccatca ttcttttagcg,tcttcacaaa acaatcgaga gtgcttttgt tggctgagtc 480
 acctatcatt ctgacttaa ccacatcaac tggggaacca acacaaacag caa 533

<210> 10573
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-089-Q1-N6-G6

<400> 10573
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 tgctcacact tgcccccttg gtgatgggtg aactccggtt tcttttgggg ggtgaacgag 120
 tgaactagct ttagcccttt tgggtggttg tcagcgggtc ctttccattt ttcctcccg 180
 ccatagtttc ctgattgtn gacacccccg ggggctgctt tgctggggcg gggccctggc 240
 tgctgcggtt tcagtccgca catcgccgtc agctgttgcg ctccctgggc cgccttctgc 300
 gccgcgggct cccctgcgg ctgctgctgc tgggtgggact gctgggtccc cccctttgtc 360
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 tccttgctct ttggcggggt gt 442

<210> 10574
 <211> 206
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-089-Q1-N6-G7
 <400> 10574

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 cctttttccc ttggggcctt taaaagaggg gcccccccaa aggggggggg ggggggaacc 120
 cctggggggtt ttgtccccag gggggggggg gggggggtcc tttttttctt tgtggggggg 180

gggccccctt tggttttttg gtcggg

206

<210> 10575

<211> 257

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-G9

<400> 10575

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gggggggggc ctgccccggg ccaataaaac tccgttttcg ggttgcccc catttttcct 120

ttttntgggg gccdccccaa tttggggggg gggggggggg gctcttgcc tggccaaacc 180

antttgccct aagaaaacca cacacccttc ctgtccgggg ggttttgggg ttgcccccg 240

cgggcctttt gggggggg 257

<210> 10576

<211> 395

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-089-Q1-N6-H2

<400> 10576

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gggnnnnnnn nnnnnnnnnn nggggggggg ggggggggnn nnnnnngnnn nnnnnnnnnn 120

nnnnnnnnng nggnnggggg gggggggggg gngggngggg gggggggggg gggggggggg 180

gggggggggg gggggggggg gggggggggg gggggggggg gngggggggg gggggggggg 240

gggggggggg gggggggggg ggnggggggg gngggggggg gggggggggg ggggggaggg 300

ggnggggggg gngggggggg gggggggggg agggggaggg gggggggggg gggggggggg 360

gggggggggg gggggggggg ggggaggggg gggggg 395

<210> 10577

<211> 523

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-089-Q1-N6-H7

<400> 10577

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ggggggggcc ccccgcccg cggggggggg gggggggggg ggggggggcc cgcnaaagaa 120
agaactttta taaaaatatt ttcnncccn nnnncnncct ttgggggtccc gcccgggggg 180
cncnnnggng ggnncnncn cncncacca aaaaaagaaa aaaaccccc ccgggggggg 240
ggggggggcg gngggggggg gggggggggc ccgcgggggg gggcgggccc gggggggggg 300
ccgcgcgggg gggggggggc ggggcgcgcc gcgggggggg gcggggggcg ggggcctccg 360
ccccggcgc ggggggcggg ggggcggggc gggccggggc gcgcgggggg cgggcgggcg 420
gggggggggg ggggggggcg gcgggggggg gggggggggg gggcgggggg gggggggggg 480
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<210> 10578

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-A1

<400> 10578

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atattttccc tccttatgct ccttgctcct tctacatgtg ttgctaacgc gacaattttc 120
cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaattata 180
gcttcagtat gtgaaaacc agctcttcaa ccatataggc ttcaacaagc aatcgagca 240
agcaacatac ctttatcgcc cttgttgttt caacaatcac cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacaacag ctgcagcaac tcgtgctacc tgtgatcaac 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
caactgtcta cactgaacct tgctgcttat ttgcagcaac aactattacc atttagccag 480
ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgactg 540
aaccgcgctg cttatttgca 560

<210> 10579
 <211> 577
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-A11

<400> 10579

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cccacgcgtt ttttgnata cagtagcaaa atagcgtggc gggggggggc aagatataaa 60
acatccttat gtccttgct ctttctgcat gtgttgctaa cgcgaccatt tttcctcaat 120
actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgctttag 180
tatgtggggg ctgcatgggg tgcaacccta cangatccan caagcaatct caacaagcaa 240
cttaccttta tcacacctgt tctttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcagggcag aacagttgca gcaactcgtg ctaccagtga tcagccaagt 360
agctctggca aacctttccc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
gtctatactg aaccctgctg cttatttgca gcaacaacaa ctactaccat ttagccagct 480
agctactgcc tactctcagc agcaacaatt tctttcattt aaccaattgg ccgactgaa 540
ccctctgct tatttccagc agcaaatact actacca 577

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<210> 10580
 <211> 351
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-A12

<400> 10580

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atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcgggtatg tgaaaaccca 180
attcttcaac cctacaggat ccaacaggca atcacagctg gcattctacc tttatcaccc 240
ttgttctctc aacaatcatc agccctatta catcagttac ctttgggtgca tntattggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc t 351

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<210> 10581
<211> 306
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-A2

<400> 10581

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catccacata tataagtttg tggatgaagg gaggtcactt gaacttgtgg gggggagggg 180
ggtggaggaa gttccttttg ctttgtgcca attttcgtgg cgttttcttg cttgggttgg 240
ttctgtgctt tgtttttttg gtcttggggtt ttgttatttt tttttttttg tgttttcctt 300
cttttt 306

<210> 10582
<211> 352
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A3

<400> 10582

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cttggttggc gtgttgtgtt tctcggtgtt gtgttgggtt tgtggttggg tgggttttnt 120
nttttttggg gggggggggg gggntntnnt tttttntttt tttttttttt tttttttttt 180
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tttttttttt tttttttttg tttttttngt tttttttgtt tttttttttt tttttttttt 300
ttttgttttt tttttttttt ttttttgttt tgtttttgtt ttctttttct tt 352

<210> 10583
<211> 559
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A4

<400> 10583

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 aagaatgctt ggaaagaggg cgcgccccct aagcccgcag tgccagtcac cacaccgcag 120
 gaacttgacag aggctgacgg taccctcttt ggggtttccga caaggggtggg ggggtgtgggg 180
 ggtcanatna annctttctt ntattccacc ttttgtctct ggaggagca gagcctcgct 240
 ggctagcctg ccggcttggt cttcagcact ggaaccaggg gtgggtgtct agagactaca 300
 ccggtgacgg tgattacca gttgacgcac cacggcatgg tgtttgtgcc cgtgggctac 360
 accttcggcg ccaagctggt tggcatggac caggctcagg gtggcagccc ctacggcgcc 420
 ggcacgtttt ccgtcgacgg gtcgaggtgg cctagcgagg tggagctgga gcacgccttc 480
 caccagggga aatacttcgc gggcatcgcc cagaagctca agggctctgc ttggatctgc 540
 acatacccct tatcataaa 559

<210> 10584

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-A7

<400> 10584

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 aaaaatagag caacaatggc ggccaagata ttttccatcc ttatgtctct tgctctttct 120
 gcatgtgttg ctaacgcgac catttttcct caatactcac aagctcctat agctgccctt 180
 cttcccccat accttgggga gtgggcgctt tagtatgtga aaaccagcc cttcaaccct 240
 acaggatcca gcaagcaatc gcaacaagca acttaccttt atcacacctg ttctttcaac 300
 aatcgccagc cctatctttg gtgcagtcac tgggtacaaac catcagggca gaacagttgc 360
 agcaactcgt gctaccagtg atcagccaag tagctctggc aaacctttcc ccctactctc 420
 agcaacaaca atttcttcca ttcaaccaac tgtctatact gaaccctgct gcttatttgc 480
 agcaacaaca actactacca ttcagccagc tagctactgc ctactctcag cagcaacaat 540
 ttcttccatt taaccaattg gccgcactga acccctctgc ttatttcca 589

<210> 10585

<211> 549
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-A8

<400> 10585

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cacccttggt cctccaacaa tcacagccc tattacagca gttacctttg gtgcatttat 120
tggcacaaaa catcagggca catcatctac aacaacttgt cctatctggg gttcgcnngg 180
ggctcancaa cancantttc ttccattcaa ccaactagct gcattgaact ctgcttctta 240
tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc agcaatttct 300
tccattcaac caactgacag cattgaactc tcctgcttat ttacagcagc nacaactact 360
accattcagc cagctagctg gtgtgagccc tgcttccttc ttgacacaac cacagttggt 420
gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactgc acaattgct 480
gccattcaac caacttgctt tgacaaacc agcagtattc tacciaacaa cccatcattg 540
gtggtgccc 549

<210> 10586
<211> 596
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B10

<400> 10586

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cttgcctctc ttgctctttc agcaagcgt gctacctcga cttttattcc acaatgctca 120
caacaatacc tctctccggt gacagccgcg ggatttcaat acccaactat acaatccgga 180
cagggggcaa gaggccatcc aagcaagcat cttacgggtc ttagcattaa cctccaaca 240
accatatgct ctattgcaac agccatcctt agtgcactg tatctccaaa gaatcgcggc 300
acaacaacta caacaacagt tgctaccaac aatcaatcaa gtagttgcag cgaaccttgc 360
tgcttacctc cagcaacaac agtttcttcc attcaatcaa ctagctgggg tgaaccttgc 420
tatctacttg caggcacaac agctactacc atttaaccaa cttgtcggga gcccttatgc 480

cttcttactg caacaacagc ttctgccatt ccattctgcaa gctgtggcaa acattgttgc 540
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<210> 10587

<211> 318

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B11

<400> 10587

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 caaccaanng cccaannaca acaacaancc nnggcacanc naaccanaca aaccancgca 120
 acgcagcagc aacaagcacc gagccaccna gccgnggnga acccnancgc cnacnngcaa 180
 caacagcngc nngcancaa cccacnngcn nnggcaaagc nngcngcana ccaacaacaa 240
 caacagnngc aacagnnnca accagcgcnc agncaaccag ccangnggaa cccnancgcc 300
 naccacacac agcaacaa 318

<210> 10588

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B12

<400> 10588

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 aatatctgcg tacctagagg tgtcggatag gattctccgc ctataataag tcggctgcca 120
 naggcggaaa aaaatctctg tttgtggcgt gcggaaggag tcggagggaa ccgaaaactc 180
 aggggctcga atttcctagg agcggaggcg atggctggga agggaggaaa aggattgctc 240
 gccgcgaaga cgacggcggc caagtccgagc gagaaggaca aggggaagaa ggcccccatc 300
 tcacggtcct cccgcgcggg cctccagttt cctgttgagc gaatccaccg tcagctgaag 360
 caaaggactc aggcaaatgg ccgcgttggt gccactgcag ccgtctactc tgccgccatc 420
 ctggagtact tgactgccga ggttctggag ctggctggga acgctagcaa ggatctgaag 480

gtgaagcgta tcacccctcg ccacctacag ttggccattc gcggagacga ggagctggac 540
accctcatca agggcaccat cgcaggtgga ggtgt 575

<210> 10589

<211> 517

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B2

<400> 10589

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ggcagctgct catcgtaccc cagggctacc tcgtcgccac caaggcgca gggagaaggct 120
tccagtacat cgccttcgag acgaaccctg acaccatggt cagccacgtc gccgggaaga 180
actccgtcct gagcgacttg ccggccgccg tcacgcccag ctcgatatgc atctccatgg 240
aggaagctgc agagctcaag aacggttagga agcatgagct ggctgtgctt actcctgctg 300
gcagtggcag ctaccaaaa ggtcaagctg gcagcgccca acagtaggca caacctcaga 360
gtgatctgcc tgaataagta ctgtagact gtaataatta aacaaagctt gctcatgggt 420
aaactgcgtg ttgattagtc tttcaactac atagctctaa agtttttgat acaccgagtg 480
atttgccagg aaaaaaagag cagattgttg taagcaa 517

<210> 10590

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B6

<400> 10590

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tagcttccct tttccccgt cctctcacca cttgtcttcg ttctaatttg gggggggggg 120
gtacannatc caacanncaa tcacantttt cttcttacct ttatcacct tnttctcca 180
acaatcatca tccctattac atcatttccc tttnttgcac ttattggctc ataacatctt 240
ggctcatcat ctacaacaac ttgtgcttgc aaaccttgc gctactctc agcaacagca 300

gtttctttcca ttcaaccaac tagctgcatt gaactctgct ttttatttgc aacaacaaca 360
 actaccattc agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccact 420
 ggcagcattg aactctcctg ct 442

<210> 10591

<211> 273

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-B8

<400> 10591

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 tttctctccc ctttcccccg cttccttttt tttgtttag cccctcctt tcccccttt 180
 cccccgtttc tctcctgtt tttctttttc gtcgcacct gttctcccc ctttctccc 240
 cctcttcttc tttctcttt cccctttct ccc 273

<210> 10592

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-B9

<400> 10592

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 ttagatcaat ctaagatttc gattccagc aaaaaaaaaa gaatataata gaaaaattgg 120
 gacaaaaaat aattgggggg ggtggggggc ttnntacaac ccaaaatcac cattcctttt 180
 ggttcgcaca accaaaaaat tttctgaagg tctacaggaa gataaaaaaa tacggaattg 240
 tatcaagaac tatatacaa agaataggaa aaaaggctcg aatagaaaaa tggaatcaga 300
 ctcaagttct gaagtaatta cacatataga aattcaaaaa gaaatcgata caatccagct 360
 cataatccat attggattcc ccaacttatt aaagaaaaag ggagcaatcg aagaattaga 420
 gaaagatctc caaaaggaag ttaattctgt aaaccagaga cttaatatg ctatcgaaaa 480
 ggtaaagaa ccttatagac aacctaatat tcttgcgga tatatagctt tccaattaa 540

a

541

<210> 10593
<211> 149
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C1

<400> 10593

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aacaagctcc tatagcggtc ccttcttccc ccgtacctgt caccagcggt gtcttggtg 120
tgtgaaaacc caattgttga accctacag 149

<210> 10594
<211> 598
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C10

<400> 10594

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gtctagtctc tagaggagga ggcgaggagg gagggcatgg gcaaggacga cgtgggtccag 120
agcggcgcg ggcggcgggga gttcgccgcc aaggactaca cggaccgcc gccggcgccg 180
ctggtggacg gttctggact ggggttcgtg tcgctgtacc gcgcggtgat cgcggagtgc 240
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acggacgcgt cggcgctcgg ggccacggcc gacgcggcgt gcggcggcgt gggcggtgctg 360
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tcggggggcc acatcaacc gcccgtcacc ttcggcctct tctggcgcg caaggtgtcg 480
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<210> 10595
<211> 592
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-C11

<400> 10595

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tccagcacca ccgggggctg ggcaactcca aggttgtcaa ggtgcagagc gaggaggcgt 120
gggatctgtt caccgatcaa gcgagcaacg aaggccggcc cgttggtgcc catttcgggg 180
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agactcagat agtcgtggag tagtagtcgt ttcagacttt ttttttgaag agtcgttcgt 480
gtcttccgaa actgctccgc gagactgtgc gaccgtgagt gcttcttggg cagggtctgg 540
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<210> 10596

<211> 588

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C12

<400> 10596

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ccttcctatt tctcatacct aactaaccta atagtttgtc gtggaccatg aggcccaaca 180
gagcgacaaa gccacctca gcacctcacg aaaaaaaaaa tccccaaacc ctattgtagt 240
cgcaccatgg cagagtcatt agatgggcca actaccaagt cgtggtcacg tcttacaacc 300
ccacatgcca tggagacacc agcacctccg ttgcgccatt gtgggtccgc agcacagcta 360
cgtacctaga cttgaccggc taactgtcat tgtgttgcac ctagcctcgt ttttgcacgt 420
tctgtcgtcc gtcgtccgag gcttcaatcc accatagtca ggcgtgtcac cgcgtgccag 480
gacagacaac cagggtggcaa ggtcccatcg agccgatgtc caagcccacc taacctgtgg 540

ccacccgacc ttacctcccc tgatttgctg cttgcagtac tggaatgt

588

<210> 10597

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C2

<400> 10597

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tggcagccaa gatttttgcc atccttgccc tccttgctct ttcagcaagc gttgctaccg 120

cgactattat tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgagatttg 180

aataccgggg ggggggggcc tacaggctac aagaggccat cgcagcaagc atcttacggt 240

cgttagcatt gaccgtccaa caaccatatg ccctattgca acaaccatcc ttaatgaatc 300

tatatctcca aagaatcgca gcacaacaac tacaacaaca gttgcttcca acaatcaatc 360

aagtagttgc agcgaacctt gctgcttacc tccagcaaca acaatttctt ccattcaatc 420

aactagctgg ggtgaaccct gctgcttact tgcaggcaca acagctacta ccattcaacc 480

aacttgtcag gagccctgct gccttcttac tgcagcaaca gttgcttcca ttccatctac 540

aagttgtggc aaacattgct gctttcttgc 570

<210> 10598

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-C3

<400> 10598

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ggggtttggt tgggggggtt tttttttttt tttntttttt tttttttttt tttttttttt 180

ttttattnt tccccctttt tttttttttt ttttnntttt tttttttttt tttttttttt 240

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 300

tttttttttt tttttttttt tttttttttt tttttttntt tttttttttt tttttttttt 360

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 ttttnntttt ttttnntttt tttttttttt tttttttttt ttttttattt tttttttttt 540
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 tctgtttttt tttttgtccc ctctttctcc tcccctcccc 640

<210> 10599
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-C4

<400> 10599
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 tggngaacat gngaaaacca tctgtttagg agaggctcat acttccaacc tctgtcatgg 120
 aaccttagaa tgaaggttgc actgggagca gcaaaggac tagcttacct tcataggggg 180
 ggaggggggag gttatttacc gagattttaa gacttcgaac attctccttg acacagatta 240
 ttctgcgaag ctttctgatt ttggattggc taaggatggt cctgtcgggtg agaagagcca 300
 tgtgtccaca agagttatgg gaacatatgg ttatgcagct cctgagtatc tttcaacagg 360
 tcacctaaact gcaaagagcg acatctatag ctttggggta gtgcttctgg agatgctgtc 420
 aggccgcgcg gccatcgaca agaaccgtcc ccagggtgag cacaatctcg tggagtgggc 480
 tcgaccttac ctcacacata agcgcaagat attccggatc ctggatacga ggctggaagg 540
 tcaatacaat ctgaacggtg cacaacaat tgctgccctt g 581

<210> 10600
 <211> 500
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-C6

<400> 10600
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gtgttgccag cagctcaggc aggtggagcc gcagcaccgg taccaggcga tcttcggctt 120
 ggtcctccag tccatcctgc agcagcagcc gcaaagcggc caggtcgcgg ggctgttggc 180
 ggcgcganata gcgcgggggg ggacggcgat gtgcggcctg cagcagccga ctccatgccc 240
 ctacgctgct gccggcggtg tccccactg aagaaactat gtgctgtagt atagccgctg 300
 gctagctagc tagttgagtc atttagcggc gatgattgag taataatgtg tcacgcatca 360
 ccatgggtgg cagtgtcagt gtgagcaatg acctgaatga acaattgaaa tgaaaagaaa 420
 aaaagtactc catctgttcc taaaaaaaaac taaaaaagaa actagggaaa gaaaaaagaa 480
 accagaaatt tctgctgtta 500

<210> 10601

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-C7

<400> 10601

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 tcgctcgccg agccctagcg ccgccgatct cagcccgtac cagtcttgca gatcggggtc 120
 gcgccgcggc ggcaagaacg atggccgagg aggccaaagta cctggagact gcgcggggcg 180
 gcggggccgt gtggctcatg aagtgtcccc cggctgtctc ccgcgcctgg caggccgcct 240
 ccgcctccgc ctcttctctc gacgccgcta acgccaaccc cgttgtcgcc aaggctgtcc 300
 attccctcga cctgctccgc ccagaagaac gccccgaaga gcgcccgga gagccacgc 360
 tccagttcaa gatggagttg gcacaaacta aactgggaa tacacctaag agctactctt 420
 tgaatatgtt caaagatttc gtgcctatgt gtgttttctc cgaatctaac caagggaac 480
 tttcatgcga aggaaaagtc gagcataaat ttgacatgga acctcacagt gataatttgg 540
 cgaactatgg gaagttatgt cgtgaaagaa cacaa 575

<210> 10602

<211> 548

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C8

<400> 10602

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ttgcgcttct tgcccttttt gtgagcgcaa caaatgcgtt cattattcca caatgctcac 120
ttgctcctag tgccattatt ccacagttcc tcccaccagt tacttgaggt tgcggggaac 180
acctagctgt gcaagccaac atgcaacaac aagcgcttgc ggcgagcgtc ttacaacaac 240
caattgcca attgcaacaa caatccttgc cacatctaac aatacaagcc atcacaacgc 300
aacagcaaca acagttccta ccagcactga gccacctagc catggtgaac cctgcccgt 360
acttgcaaga gcagctgctt gcatccaacc cacttgctct ggcgaacgtà gttgcaaacc 420
agcaacaaca acagctacaa cagtttctgc caacgctcag tcaactagcc atggtgaacc 480
ctgccgcta cgtacaacaa caacaactgc tttcatctag cccgctcgct gtgggcaatg 540
cacctaca 548

<210> 10603

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-C9

<400> 10603

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ttgcgcttct tgcccttttt gtgagtgc aaatgcgtt cattattcca caatgctcac 120
ttgctccgag tgccattatt ccacagttcc tccctccagt tacttcgggt ggctggggac 180
accagctgt gcaagcctat aggctacaac aagcgcttgc ggcgagcgtc ttagaacaac 240
caattgcca attacaatca acaatccttg gcacatctaa ccatacaaac catcgcaacg 300
cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcta cttgcaacaa 360
cagctgcttg catccaacc acttgctttg gcaaacgtag ctgcatacca acaacaacaa 420
cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaacc tatcgctac 480
ctacaacagc aacaacttct ttcacttagc ccgctcgcta tgggcaatgc acctacatac 540
ctgcaacaac agttgttgca acaacagttg ctgcaac 577

<210> 10604

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D1

<400> 10604

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cctaacaaca atgggtacca agatattagc cctccttgcg cttcttgccc tttttgtgag 120
cgcaacaaat gcgttcatta ttccacaatg qtcacttgct cctagtgcga ttattccaca 180
ggtcctccca ccagttactt caatgggctt cgaacaccta gctgtgcaag ccaacatgca 240
acaacaagcg cttgcggcga gcgtcttaca acaaccaatt gcccaattgc aacaacaatc 300
cttgccacat ctaacaatac aagccatcac aacgcaacag caacaacagt tcctaccagc 360
actgagccac ctagccatgg tgaaccctgc cgcctacttg caagagcagc tgcttgcac 420
caaccacatt gctctggcga acgtagtgc aaaccagcaa caacaacagc tacaacagtt 480
tctgccaaag ctacgtcaac tagccatggt gaaccctgcc gcctacgtac aacaacaaca 540
actgctttca tctagcccg cgcgtgtggg 570

<210> 10605

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D11

<400> 10605

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aaacccgatg cttggcttcc gtggctgcag gcttggata tcgtaccctg agctaacaga 120
aatgcaaggc cgtgccatct ttgaagctgc tataacgatg accaaccagg gcgttcaagt 180
cgttcganag ataatggttc ctcttggttg aacaccgcag gaattgggac atcaggtggc 240
ccttatccgt caagtcgcta acaaagtttt caccagtatg ggtaaaaacta ttgggtacaa 300
gatcgggacg atgattgaga ttcccagggc agctctagtg gctgacgaga tcgaggagca 360
ggctgaattc ttctcctttg gaacgaacga cctcacgcag atgacctttg gctacagcag 420

ggatgatgtg gggaagttca tccccattta tctgggtcag ggcatcctcc agcatgaccc 480
 cttcgagggt ctcgaccaga gaggagtggg cgagctgggt aagcttgcta cagagagggg 540
 ccgcaaagct aggcctaact tgaaggtggg catttggtga gaacatggt 589

<210> 10606

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D12

<400> 10606

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 gctccttgct ctttctgcat gtgttgctaa cgcgacaatt ttccctcaat gtcacaagc 120
 tcctatagct tcccttcttc cccaacctt ccacaagatg gggcagaggg gaaaaccag 180
 ctcttcagcc ctataggctc caacaagcaa tcgcagcaag caacatacct ttatcacct 240
 tgttggttca acaatcgcca gccctatctt tgggtgcagtc attggtacaa accatcaggg 300
 cacagcagct gcagcaactc gtgctacctg tgatcaacca agtagctctg gcaaaccctt 360
 ctccctactc tcagcaacaa caatttcttc cattcaacca actgtctaca ctgaaccctg 420
 ctgottatct gcagcaacaa ctattaccat tcagccagct agctactgcc tactctcagc 480
 aacaacaact tcttccattt aaccaattgg ccgcactgaa ccccgctgct tatttgagc 540
 agcaaatact actaccattt agccagctag ctgc 574

<210> 10607

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D3

<400> 10607

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 tcattataga tcagatgtga accattctga tcaagcactt gagattgcat ctgatcgtgt 120
 ctattacatt tttcagactc tatatgactg cgaggaagta ttagctacat atcgtgaaga 180

gggtatttgt gggggggggg ggtntcgaga gcaaaatctg attgataagc accattcaga 240
 attcttgaaa tatatgtcga atgatcttaa aaccacagat gttctggatc gttgcttcat 300
 ggagctgctg aaggccataa acagcagttt gaatgatttg aagaaactgc aacagaaaat 360
 agaacagcaa aagaagaaac agcaacagca gaagaagcag caacagaagc aacagcaatt 420
 gcaaaaacag ccagaacatt atattcaagc tctgattgca ctggaaatag aacttaaaaa 480
 taaactgtct atacttggtc tgatgccatc ttcattcttg gcagaggtac tgaagcaatt 540
 gaaggacaaa gcactaaaga gagcggggct gactga 576

<210> 10608

<211> 555

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D4

<400> 10608

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 ggccagcggc gcagcgcaac atgcgcaatc agtgggtccca tctgagcgcc gccaaggagc 120
 agtggctggc cgccgttgct gacggccgtg cccacgcctc cgcgctcgtc aacggggggg 180
 gggggggggg gaacatgcn actatngatt tgggggtgct caaggatatg cgggggatcc 240
 gcgataaggc gaactccaag ttggcgctta gagaggagca atacagcggc atgcttctgt 300
 cggcctacaa ggagatggc cgtcagctgt cctacttggt tgaagcttcc cattctatgc 360
 gccgtttttc taaagcggct ccaaattgcc ccatcacaca gttttctgac cgccaagata 420
 atttgaatga ttcattggat ggtggaggag cccaggtatt caaatgggtc tctgtattag 480
 aatttgagag tcttgcccag gagcttggtc agatgtttgt ttcagagcaa aagttgaaga 540
 ggctgctact ttttg 555

<210> 10609

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D5

<400> 10609

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gcctgaaggt tcaaaacatg agnaaaactg aggcacctc acattcagat ggcacgactg 120
aagatgccac agacagccat acattgttta ctaaattgaa gtcaacaatc tcattctgctt 180
cacggggggg atccggtgcg ttgcaaagt tgaaggacac aaaagtctca acttttagcta 240
agcagggata tgaaatcgtc aaggatgaat taagctctaa ctctagcaga aagaaaaaac 300
accaagctag gcatgcttct gctaaagtag aaaagagtac aagaaccgat ttagttctta 360
cgccaacaaa aaagacagta ttgggtgaaa aatgggaaga atttaagaat aagatccgag 420
gtcaccgggt ctacagaaga gtggatgaat acaccaagcc tgttgtaacc aagggataag 480
aggtagctga agatgtcagg gaaagatggg agacaagtga caatccagtg gttcagaaaa 540
ttcaagactt gaatgaatct ttgcttgaag aaacctcagc tg 582

<210> 10610

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D6

<400> 10610

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ctgcggcctc ccggccgagt actgcgagtt cgccccgac ttcgagcgct gcaagccctg 120
gctgcgcgcg catgcgcccg gcgtctaccc cgacgacctt gtcgcccgt cctggggggg 180
gtgcggcggc ggcgacaagg acgtcgacag ggtcggggat cgcctccagg gcgtcgggat 240
ctccgacggc tccaccagcg ccgcagggga tgcttccgcg tctaagcccc aagaggcgaa 300
acgcctgcct ggtggtaagc tcaagaaaaa ggagaagcaa gaagtgggtca ttgagaagat 360
tgtccgtaac aagcgcaaat gtgttactgt ggtgaagggg cttgaattgt ttggtgtaaa 420
gcttagtgat gcttcgaaga agcttgggaa gaagtttgca accggagctt ctggtgttaa 480
gggccctacg gagaaggagc aaatcgacgt acaaggggac atctcatatg atattgtgga 540
gttcattaca gatacatggc ctgatgtacc tga 573

<210> 10611
<211> 567
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D7

<400> 10611

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taagggtgact gttttggaat cgagagatcg tattggcggg cgcattcata ctgataactc 180
gtttggatgc ccaattgatg ggggagcctc atggctacac ggcgtgtgca atgagaatcc 240
actggcacca ttgataagct atcttgggct gaggttatac cgcacaagcg atgataactc 300
agttctgtat gatcatgatt tagaaagcta tgctctcttt gataaggatg gtaatcaggt 360
cccaaaggag acagtcgata aagttggaga aacattcgag agaattcttg aagagacggt 420
gaaagtgcgc gatgagcagg aacacgacat gccactgcta caggcaattt ctattgtgtt 480
tgagaggcac ccccatctaa agcttgaagg gctagatgat cagggtcttac aatgggtgtgt 540
ctgccggctt gaggcattggt ttgctgc 567

<210> 10612
<211> 606
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-D8

<400> 10612

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aatgctcgca agctcctata gcttccttc ttccccgta cctctcacca gcggtgtctt 180
cggatatgtga aaaccagtg gtgcaggggt acaggatcca acaggcaatc gcagctggca 240
tcttaccttt atcacccttg ttctccaac aatcatcagc cctattacaa cagttacctt 300
tggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
accttgctgc ctactctcag caacagcagt ttcttccatt caaccaacta ggttcattga 420
actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct gctgcctacc 480

cccagcaatt tcttccattc aaccaactag cagcattgaa ctctcctgct tatttacagc 540
 agcaacaact actaccattc agccagctag ctgggtgtgag ccctgctacc ttcttgacac 600
 aaccac 606

<210> 10613

<211> 588

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-D9

<400> 10613

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 cttatgctcc ttgggtcttc tgcaagtgtg gctacggcga ccattttccc gcaatgctcg 120
 caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgtc ttcgggtgtg 180
 ggaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg catcttacct 240
 ttatcacctt tggttctcca acaatcatca gccctattac atcagttacc tttgggtgcat 300
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 tttcttccat tcaaccaact ggagcattg aactctctg cttatttaca gcagcaacaa 540
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<210> 10614

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-E1

<400> 10614

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 ctcccttggtc tttctgcaag tgctgctacg gcgaccattt tcccgcaatg ctgcaagct 120
 cctatagctt cccttcttcc ccctgacctc tcaccagcgg tgtcttcggg ntgtgagagg 180

cgggttcttc aaccctacag gatccaacag gcaatcgag ctggcatact acctccatca 240
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 gcacaaaaca tcagggcaca acaactacaa caacttgtgc taccaaact tgctgcctac 360
 tctcagcaac agcagttact tccattcaac caactaagtt cattgaactc tgcttactat 420
 ttgcaacaac aacaactacc attcatccag ctacctgtg cctaccccca gcaatttctt 480
 ccattcatcc aactagcaac attgaactct cctgcttatt tacagcaaca acaactacta 540
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<210> 10615

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-E10

<400> 10615

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 ctaccaagat attatccctc cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt 120
 tcattattcc acaatgctca cttgtccaa gttccattat tacacagttc ctcccaccgg 180
 gtgcggggaat gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg 240
 cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300
 caatacaaac catcgcaacg caacagcaac aacaattcct accagcactg agccacctag 360
 ccatggtgaa ccctgccgcc tacttgcaac agcagttgct tgcatcaaac ccacttgctc 420
 tggcaaactg agttgcaaac cagccacaac aacagctgca acagtttctg ccagcgctca 480
 gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
 gcccgctcgc tgtggccaat gcacctacat acctgcaaca acaattgttg caac 594

<210> 10616

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-E11

<400> 10616

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cgcaacacaa cagcaacaac agttcctacc agcactgagc caactagatg tggatgaaccc 120
tgtcgctac ttgcaacagc aggtgcttgc atccaacca ctgctcttg caaacggatc 180
ggcaggccaa caacaacaac aattgcaaca gtttctgcca gcgctcagtc aactagccat 240
ggtgaaccct gccgcctacc tacaacagca acaactgctt tcacttagcc ctctcgttgt 300
gggtaatgca cctacatacc tgcaacaaca attgctgcaa cagattgtac cagctctgac 360
tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 420
gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 480
agtgcctaac ccattggtca ctgccttcct acagcagcaa caattgctac catacagcca 540
gttctctttg atgaaccctg ccttgtcgtg gcagcaaccc atcggt 586

<210> 10617

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-E2

<400> 10617

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tagagaggct agtaggtggt cctcgaacga agatgttggc ggtgttcagc gggcagggtg 120
tggaggtgcc ggcggagctg gtggcggttg gcagncggac tccttcttct ttgggggagt 180
ggggggggtn ntnnntctct ttctgtctct tttctaacta aacaaatacg ttcagtttgg 240
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ctacaagacg ctgtgcgatt gggcgcccta cccggccagc tttatgcttt gtcagggtcaa 480
ctggtcctac gccttagttt tttttgacga agttcaccaa ctcccttctt gttggaattg 540
tacctttagg cagggttgcc tctctttttg g 571

<210> 10618

<211> 577
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E5

<400> 10618

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ccctccgtta caagctcctc ggaggccttg ccgtccgcag ggcttgctat ggtggtgggt 180
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gccccaaagag ccaagtccat gaagttcaag gatggctaca tgatctcatc tggtcagcca 300
gtgaacgagt acattgactc ggctgtgaga cacgttcttc tcagacaggg tgttctcggt 360
atcaaggtga agatcatgct tgactgggac ccgaagggca aggttggccc gatcactcct 420
cttccggacc tggtgaccat ccacaccccg aaggacgagg acgagccgag ccctccggtc 480
ttggcacctc ctgaggtgta aggtcccaac tgtgtccttg aaatggcagt ttgatcgggt 540
cctagatagg tttctatctt acgataagga caatgct 577

<210> 10619
<211> 275
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E7

<400> 10619

gccgtcccca cccggccttc ttcagggcgt ggggacgaga cctccgtaga gctagctagc 60
tacctgcctc tttcagttcg tcagtgcaaa ttaagcacca aatgtcgacc gatgcctctg 120
aataaattta actgcgaggc tagctgctga acatcgatct gctagtatta ctacgggggn 180
cgtctgggac agcgctcagt tcggaatgta tgtataatct gaacgccaaag tttaatttta 240
tgttacttct accgattaaa ctgttaaacc ctagt 275

<210> 10620
<211> 565
<212> DNA

<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-K6-E8

<400> 10620

gtcatcgagt attgcaacaa gcacgcggag cgcgaccggg cggggcgacg cggccggcac 60
caccaacggt ccgccgagga tgagctcaac atcttcgacg cagacttcgt caatgtagag 120
cactccaccc tcttggaact catcctgggt gcaaactacc tggacatcaa ggggctgggt 180
agacgggccc nccaaacat tacagacttg atcaatggga agatgcctga ggaggtctgc 240
aagaccaaca tcaagaacga cttgaccatc ccttcacgt cggccttggc caccacaatg 300
ccctcctccg agcgaaagca gatggaggcc aggtttatcg cctatatgca agaaactgct 360
gaggagagga tgactgggtt tgctgttcgt ggtgaaaaat acagaaagca tggatgaacgt 420
ccgccacaac caccattgga gatagttaa taccagctc ttttgaaag agcttgggga 480
tgggattcga tactgccgta ctgtcctgtg aattcttggc ccctatacaa gacttacctc 540
caagaatatt atgagcgcaa ttctc 565

<210> 10621
<211> 586
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F10

<400> 10621

tccagaatca gcaagcggca gtgcgtaggg gggatcgctg aaaaaaacag catgaagatg 60
gtcatcggtc tcgtcgtgtg cctggctctg tcagctgccg gcgcctctgc aatgcagatg 120
ccctgccctt gcgcggggct gcagggcttg tacggcgctg gcgcgggctt gacgacgatg 180
aggggcgcgc gcgggctgta ccctacgcg gagtacctga ggcagccgca gtgcagcccc 240
ctggcgggcg gcgcctacta cgccgggtgt ggcagacga gcgccatgta ccagccgctc 300
cggcaacagt gctgccagca gcagatgagg atgatggacg tgcagtcctg cgcgcagcag 360
ctgcagatga tgatgcagct tgagcgtgcc gctgcccga gcagcagcct gtacgagcca 420
gctctgatgc agcagcagca gcagctgctg gcagcccagg gtctcaacc catggccatg 480
atgatggcgc agaacatgcc ggccatgggt ggactctacc agtaccagta ccagctgcc 540

agctaccgca ccaaccctg tggcgtctcc gctgccattc cgcct

586

<210> 10622

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F11

<400> 10622

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gaaagcggac tcatggctat gaccgtgtta atgatgacaa agacattcca atcattgaag 120
ccaaattgac tgatgagcct ggtgttgatc catttgcgca aagaagggat gagaagaaga 180
agaggttgaa aaggggaaga agggactgga taacttaaag aaagctgcaa aggttggcgc 240
tttgccaagt catatacagc ttgctgcgaa ggcgttgccc atcacaggaa caaaagctga 300
ccttccaaaa aaatctagaa aagaggatct tgagagtgtt gtcggcatgg cttcatcagc 360
aacagcaagt ggtgggaagt ttgatgagaa gttgcctggc gagaaacctc caaagcacc 420
tggcaaacac agaaagttcc tcccagttgc cgaaggggaag ggaatgggca gcctggagaa 480
acagcagaat gacaaaatcc tgaactctct acttgccaga aactctgatg aaccacttga 540
tgtcggcaag gcaattacaa tgtacaaggt gaaa 574

<210> 10623

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F2

<400> 10623

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agtagagagg ctagtaggtg gtcctcgacg aanagttggc ggtgttcagc gggcaggtgg 120
tggaggtgcc ggcggagctg gtggcggcgg gcagccggac gccgtcgccc aagacgaggg 180
gggcgcagct cgtggggcgc ttcttgccg cgtccgagcc ggcgtgtcc gtgcagctcg 240
gcgaccacgg ccacctcgcc tactccaca ccaaccaggc gtcctccgc ccaggtcgt 300

tcgcgggccaa ggacgaggtg ttctgcctgt tccaaggggt gctggacaac ctgggtcggc 360
tgagccagca gcacgggctg tcaagcaagg ggcgcaacga ggtgctctc gtcacgagg 420
cctacaagac gctgcgcgac cgcgcgccct acccgggcag cttcatgctc gccagctca 480
ccggctccta cgccttcgtc ctcttcgaca agtcaccaa ctccctgctc gtcgcatctg 540
accccgaggg cagggtgccg ctcttctggg 570

<210> 10624

<211> 500

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F4

<400> 10624

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gccacctccg gttcacctgc cacctccggt gcatctccca ccncctgggg gggggggggg 120
gggggtccac ctncaccann cnntccatn taccacacac caattcatct gcctccgcca 180
ccatgccact accctactca accgccccgg cctcagcctc atccccagcc acacccatgc 240
ccgtgccaac agccgcatcc aagcccgtgc cagctgcagg gaacctgcgg cgttggcagc 300
accccgatcc tgggccagtg cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg 360
ccctactgct cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag 420
gtggagccgc accaccgcta ccaggcgatc ttccggttgg tccctccatt ccctcctgca 480
acagcagccg caaagcgccc 500

<210> 10625

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F6

<400> 10625

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gttcaaccaa cttgctttga caaaccagc agcgttctac caacaacca tcattggtgg 120
tgccctcttt tagatttctt atgagttata gttcaataat aaagtttttt gtctgagggg 180

gggggggttcc cagaaataag aaagtacatt tct

213

<210> 10626

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-F7

<400> 10626

acaatagtgt gcgaacaatg gcagccaaaa attttgctc cttatgctcc ttggtctttc 60

tgcaagtgt gctacggcga ccattttccc acaatgctca caagctccta tagcttcctt 120

tcttcccccg tacctctcac cagcgggtgtc ttcggtatgt gagagccggg ttcttcaacc 180

ctataggatc caacaggcaa tcgcagctgg catcttacct ttatcaccct tgttctcca 240

acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac aaaacatcag 300

ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacaaca 360

gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc aacaacaaca 420

actaccattc agccagctat ctgctgccta cccccagcaa tttcttccat tcaaccaact 480

gacagctttg aactctctg cttattttaca gcagcaacaa ctactaccat tcagccagct 540

agctgggtgtg agccctgcta 560

<210> 10627

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-F9

<400> 10627

atagtgtacc aacaatgggt gggggggggg gtgcttctt atactccttg gtgtggctgc 60

aagtgtgtct accgcaacca ttttcccaca atgctcacia gctcctatag cttcctttct 120

tcccccatc ctctcaccag cgggtgtctt atatgtgaaa acccatttgg ggtcgctgga 180

ggatccaaca ngcaatcnca ncangcatct tacctttatc acccttggtc ctccaacaac 240

cgtcagccct attacagcag ttacctttgg tgcatttggt ggcacaaaac atcaaggcac 300

aacaactaca acaacttgtg ctaggaaacc ttgctgccta ctctcagcaa cagcagtttc 360
 ttccattcaa ccaactggct gcattgaact ctgctgctta tttgcaacaa caactaccat 420
 tcagtcagct agctgctgcc tacccccagc aatttcttcc attcaaccaa ctggcagcat 480
 tgaactctgc tgcttattta caacagcaac agctaccacc attcagccag ctagctgatg 540
 tgagccctgt tgccttcttg acacáacaac agttgttgcc 580

<210> 10628

<211> 167

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G10

<400> 10628

aatgtgagga aagtgccttc ttatatctgg gaagccacaa acatcatcca aaaaacttca 60
 ttattgaagt ataactcata agcaatctaa aagaggcacc accaatgatg gggtgttggt 120
 agaacgctgt tgggtttgtc aaacaanctt ggggtttcgt acagggg 167

<210> 10629

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G11

<400> 10629

tccgtcaag catcagcggc aggagctctg ggcagcgtgc gcacgtgggg tacctagctc 60
 gctctgctag cctaccatgg ctgatcacca ccgggggtgcg acgggaggtg gcgggggcta 120
 cggcgacctc cagcgcgggg gcggcatgca cggcgaggcg cagcagcagc agaagcaggg 180
 cgccatgatg acggcgctca aggccgcgac ggccgcgacc ttccggcgggt cgatgctggt 240
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 ggtgatcttc agcccgtgct tgggtgccggc cgccatcgcg ctggcgctca tggcggccgg 360
 gttcgtcacc tccggcggcc tcggcgctcg tgcgctgtcc gtgttctcct ggatgtacaa 420
 gtacctgacg ggcaagcacc cgccggggcg cgaccagctg gaccacgcca aggcgaggct 480
 ggcgtccaag gcccgcgaca tcaaggatgc agcacagcac cgcatcgacc aggcgcaggg 540

gtcttgagag aagaaccaca ctcgagcgga cgcgcgcgc g

581

<210> 10630

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G12

<400> 10630

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gcagcagcaa caagcactga gccacctagc cgtggtgaac cctatcgctt acttgcaaca 120
acagctgctt gcatccaacc cacttgcttt ggcaaacgta gctgcatacg ggctcagcaa 180
ggggtgcaac agtttctacc agcgctcagt caactagcca tgggtgaacct tatcgcttac 240
ctacaacagc aacaacttct ttcattctagc ccgctcgcta tgggcaatgc acctacatac 300
ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc tcttactcag 360
ctagctgtgg caaacctgc tgcttacttg caacaactac ttccattcaa ccaactgact 420
gtgtcgaact ctgctgcgta cctacaacag cgacaacagt tacttaatcc actagcgggtg 480
gctaaccat tggctcgctgc cttcctacag cagcaacaat tgctgccata caaccagttc 540
tctttgatga accctgcctt gtcgt 565

<210> 10631

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G2

<400> 10631

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aacaacaatg gctaccaaga tattatccct ccttgcgctt cttgcgcttt ttgcgagcgc 120
aacaatgcg ttcatatttc cacaatgctc acttgcacca agttccatta ttacacagtt 180
cctcccaccg ggggggggaa tgggcttcga acaccagct gtgcaagcct ataggctaca 240
acaagcaatt gcggcgagcg tcttacaaca accaatttcc cagttgcaac aacaatcctt 300

ggcacatcta acaatacaaa ccacgcgaac gcaacagcaa caacaattcc taccagcact 360
gagccaccta gccatggtga accctgccgc ctacttgcaa cagcagttgc ttgcatcaaa 420
cccacttgct ctggcaaacg tagttgcaaa ccagccacaa caacagctgc aacagtttct 480
gccagcgctc agtcaactag ccacggtgaa ccctgccgcc tacctacaac agcaacaact 540
gctttcatct agcccgcctc ctgtggccaa tgcacctaca tacctgcaa 589

<210> 10632

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G3

<400> 10632

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tatctgaatg ctggagggtt ttagtacttt ggggtgcttg gtatccttga ctttcagtta 120
gatatgtcca caaaaagttc agtcagcagt acaaagctac aatcgggtgca gatttcgtga 180
gggggggggt tctgatcgaa gacaggctan tcacgttgca gatatgggac accgcggggc 240
aggagagatt ccagagtctt ggggttgcat tctacagagg ggccgattgc tgtgtgctcg 300
tctatgatgt taactctaac aggtcatttg atacactcaa tacatggcat gatgaaatcc 360
tcaaccaagc tagcccatca gacctaataa cttttccctt catcttactc ggtaacaaga 420
ttgatgtaga tgggtgaaaa agcagagtgg tttctgataa gaaagcaatg gagtgggtgtg 480
cttctaaagg caatatccct tattttgaaa cttctgcaaa agaggactac aatgttgaca 540
atgctttcct gactgttgcc aagcttgctc t 571

<210> 10633

<211> 498

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G6

<400> 10633

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tagccctcct tgcgcttctt gcccttttag tgagcgcaac aaatgcgttc attattccac 120

agtgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttgagggg 180
 gcgggggggac atccagccgt gcaagcctac aggctacaac tagcgcttgc ggcgagcgcc 240
 ttacaacaac caattgccc aattgcaaca caatccttgg cacatctaac cctacaaacc 300
 attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca cctagccgtg 360
 gtgaaccctg tcacctactt gcaacagcag ctgcttgcac ccaaccact tgctctggcg 420
 aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt gctcagtcaa 480
 ctagccatgg tgaaccct 498

<210> 10634

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-G7

<400> 10634

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 ccaagatatt agccctcctt gcgcttcttg cccttttagt gagcgcaaca aatgcgttca 120
 ttattccaca gtgctcactt gctcctagtgc ccattattcc acagttcctc ccaccagtta 180
 cttcaatggg ctggggggcat ccagccgtgc aagcctacag gctacaacta gcgcttgcgg 240
 cgagcgccctt acaacaacca attgcccatt tgcaacaaca atccttggca catctaacc 300
 taaaaaccat tgcaacgcaa caacaacaac aacaacagtt tctgccatca ctgagccacc 360
 tagccgtggg gaaccctgtc acctacttgc aacagcagct gcttgcaccc aaccacttg 420
 ctctggcgaa cgtagctgca taccagcaac aacaacagct gcaacagttt atgccagtgc 480
 tcagtcaact agccatgggtg aaccctgccg tctacctaca actactttca tctagcccgc 540
 tcgcggtggg caatgcacct acgtacctac aacaacagtt gctgcaacaa attg 594

<210> 10635

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-K6-G8

<400> 10635

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tatgctcctt ggtctttctg caagtgtgc tacggcgacc attttcccgc aatgctcgca 120
agctcctata gcttcccttc ttcccccgta cctctcacca gcggtgntct tcggtgatgg 180
gagggacca attcttcaac cctacaggat ccaacaggca atcgagctg gcattctacc 240
tttatcacc ttgttctctc aacaatcctc agccctatta caacagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacagc agttttcttc attcaaccaa ctaggttcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
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<210> 10636

<211> 544

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H1

<400> 10636

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ttgctagctc tgaggcatgg cagctcctaa gcaccgacac caacatattc tcagagttct 120
cctgaactgc atcattgaat ccttgccaga ggcgggggga catatgaagc agcattgcca 180
aatggccgag gcgctgcccg gaatgtctca aaggtgatgc catctcaatc ccactttggg 240
atgaatatgc tgatcagcag ggtcctagaa tcacatggag actgctgcaa gaactcctcc 300
aaagtaaggc acaacctttt tggaagccgt ctggattgtg actggtgtac ctgcagccag 360
tagcacagtt gctatgtctg actcgaatgg caacctctgc gccatgatta tgttgccacc 420
tatggttgct gtgttccgaa caaatggcga agccactttg cttagggtgat tggcaatttt 480
tctgaagacc agatttccat ctgacaacac ctcaatggtt gtagcctgta gagatggaca 540
caac 544

<210> 10637

<211> 580
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-K6-H11

 <400> 10637

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 agggcgaggt gaacgcccgc tcggccgcgg acgagatcgg gcgctcccgc gccgaccgcg 180
 gtgccgccgg tggcgggcgc atcctggaga gcgtgcagga gggcgccagg tccttggcca 240
 gcgccgtggg ccgcaccttc ggtggcgcca aggacgcgac cgtggacaag acctcgcaga 300
 cggcgcacac cgcgggcgac aagctcggcg agtacaggga ctacaccgcc gacaaggccc 360
 gggaggccaa cgacagcgtc tcgcgtaaga cgggcgagac ggcgagggcc acccggaaca 420
 agctgggcca gtacaaggac agcgccgtgg agaaggcgag ggagaccaag gacgcggtgg 480
 cgcagaagac gagcgagacc gcggaggcga ccaagaacaa gctcggggag tacaaggacg 540
 cggcgggccg caaggcgcgg gaggccgcgg acaccaccgc 580

<210> 10638
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H12

 <400> 10638

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 cggctnccan ccaccncccc cngttcatct accgcgcgcg gtgcatctgc cacctccggt 120
 tcacctgcca cctccggtgc attttttttt ttngtccac ctnccttctt cgtgcgtgtg 180
 ggggcgcenn nccatntncc nccccccctt catctaacaa aaaaaaccat cccactaccc 240
 tactcaaccn nccctncctc ancctcattc tcatccacac ccattccctt tccaacatcc 300
 tcatccaatc cctttccatc ttctttttta ccttctnnnt tttcattacc cctatcctnt 360
 nccatttctt cnattttttt atgcatcatt tcatcccctc tgtnactccc tactgctctt 420
 ctcantgcca gttttttttt tttgcattgt ttcctt 456

<210> 10639
 <211> 553
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-K6-H2.

 <400> 10639

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ctgcaagtgt tgctaccgcg accattttcc cacaatgctc acaagctcct atagcttccc  120
ttcttcccc atacctctca ccagcgggtg ctccaatgtg tggagggggg ggggtcaacc  180
ctacaggatc caacaggcaa tcgcaacagg catcttacca ttatcaccct tgttcctcca  240
acaaccgtca gccctattac agcagttacc tttggtccat ttggtggcac aaaacatcag  300
ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca  360
gtttcttcca ttcaaccaac tggctgcatt gaactctgct gcttatttgc aacaacaatt  420
accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca accaactagc  480
agcattgaac tctgctgctt atttacagca gcaacaacta ctaccattca gccagctagc  540
tgatgtgagc cct                                                         553
  
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<210> 10640
 <211> 270
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H3

<400> 10640

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ggttnattna actntntntn ttatttttnaa caacaaaaaa taaaaccccc ccatttacct  180
ncttcctacc caaanaatt tttttcattc aaccaacttt cattatttaa ctctcctttt  240
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<210> 10641

<211> 601
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H4

<400> 10641

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aacaacatca attatctaac tccaaaacca tgaagctggg gcttgtgggtt cttgctttca 120
ttgcttttagt atcaagtgtt tcttgtacac agacaggcgg ctgcagctgt ggtcaacaac 180
aaaccatggg gacgacgggg tccacaacaa catcatccac aaaaacaaca acatcaacca 240
ccaccacaac atcaccagca gcagcaacac caacaacaac aagttcacat gcaaccacaa 300
aaacatcagc aacaacaaga agttcatgtt caacaacaac aacaacaacc gcagcaccaa 360
caacaacaac aacaacaaca gcaccaacaa caacatcaat gtgaaggcca acaacaacat 420
caccaacaat cacaaggcca tgtgcaacaa cacgaacaga gccatgagca acaccaagga 480
cagagccatg agcaacaaca tcaacaacaa ttccagggtc atgacaagca gcaacaacca 540
caacagcctc agcaatatca gcagggccag ggaaaaatca caacagcaac aatgtcattg 600
c 601

<210> 10642
<211> 574
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H5

<400> 10642

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ggtggtggca acccgcccgg caccgcccgg ccagcacgg ctgcggcccc gacaacaaca 120
gccggatctt tcttgggcat ggtccagtga tcgatccatc cacacgcgta tccaagcat 180
tgtgcgtcgg ggtgatgact actctatcct cctcttgccg atggcttctt ttctttctct 240
cgcttgtgac atttgtatct acctacctgt cgctccatg ctgcggtcca tatactctgat 300
ctactccaca aatcctaata ccacaacaac tatccccctc tcctctctat tctccggcga 360
ttctccatat tcttcatgca ggtcgtagcc acacctcgat ccatgtcgtg tcgtcgtcgc 420

tggtgcccac cctcctatct ctccattcgt tgcgtgcgcta gttacagtgg tcgcccctctt 480
 agatgtttaca gtaaaaaaaaa attggtggtg atatggttat ttattgattc gttagggttaa 540
 ttaataagaa ccctcaaaag cttgggggtct tcac 574

<210> 10643
 <211> 286
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H6
 <400> 10643

ttgatacaac caantatctg ccagggtattg cagcaacatt gttgtcatga tcttaggccg 60
 attgagccac aatacattca ccaagcattc tacaacatgg ttcactcctt attccaggag 120
 gagcctctac aacaaccatg tgagttatgt tgatctcatc aagcttctca aagtgcggtg 180
 gtaattttga cagccgcaca atacctacca tcaatgtgcg gcttttacct cttctactac 240
 caaaataatc cattcatcat tcattacttt attgtttttt tccaat 286

<210> 10644
 <211> 586
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H7
 <400> 10644

tanaagtggg aatccagtag caacaacagg gcaacaatgg cgaccaagat ttttccctcc 60
 ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct caatgctcac 120
 aagctcctat agcttccctt cttcccccat accttccatc aatgatagct tcagtgtgtg 180
 aggggcccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag caacatacct 240
 ttatcaccct tggtgtttca acaatcgcca gccctatctt tgggtgcagtc attggtacaa 300
 accatcaggg cacagcagct gcagcaactc gtgctacctg tgatcaacca agtagctctg 360
 gcaaaccctt ctccctactc tcagcaacaa caatttcttc cattcaacca actgtctaca 420
 ctgaaccctg ctgcttattt gcagcaacaa ctattacat tcagccagct agctactgcc 480

tactctcagc aacaacaact ttttccattht aaccaattgg cgcactgaa ccccgctgct 540
 tatttgcagc agcaaatact actaccattht agccagctag ctgcag 586

<210> 10645
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-K6-H8

<400> 10645

cccacgcgtt ct cattatga tgtttgtact atgatgttgg aataaggata ctaatagaaa 60
 taataatgcg tg 72

<210> 10646
 <211> 539
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-K6-H9

<400> 10646

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 cctagtgcc a gtattccaca gttcctccca ccagttactt caatgggctt cgaacatcct 120
 ggggttcgan cgggcaggct acaactagcg cttgcggcga ggccttaca acaaccaatc 180
 gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 240
 caacaacaac agtttctgcc atcactgagc cacctagccg tggatgaacc tgtcacctac 300
 ttgcaacagc agctgcttgc atccaaccca cttgctctgg cgaacgtagc tgcataccag 360
 caacaacaac agctgcaaca gtttatgcc a gtgctcagtc aactagccat ggtgaaccct 420
 gccgtctacc tacaactact ttcattctagc ccgctcgcgg tgggcaatgc acctacgtac 480
 ctacaacaac agttgctgca accaaatgta ccagcttttg actcaattag ctgtggcaa 539

<210> 10647
 <211> 566
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A1

<400> 10647

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caggcaatcg cagctggcat cttaccttta tcaccttgt tctccaaca atcatcagcc 120
ctattacaac agttaccttt ggtgcattta ttggcacaaa acatcagggc acaacggcgg 180
cgacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc 240
aaccaactag gttcattgaa ctctggtnt tatttgcggc atcagcaact accattcagc 300
cagctacctg ctgectacce ccagcaatat tcttccattc aaccaactag cagcattgaa 360
ctctcttgct tatttacagc agcaacaact actaccattc agccagctag ctggtgtgag 420
ccttgctacc ttcttgacac aaccacagtt gttgcggttc taccagcagc ttgcgcttaa 480
cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa 540
cccagcagtg ttctaccaac aaccca 566

<210> 10648

<211> 485

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A10

<400> 10648

acacttgctg tagcaaacct tgctgectac tctcagcaac agcagtttct tccattcaac 60
caactagctg cattgaactc tgcttcttat ttgcaacaac aacaactacc attcagccag 120
ctacctgctg cctaccccca gcaatttctt ccattcaacc aactggcagc attgaacggg 180
gggggttatt tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct 240
gctaccttct tgatacaacc acagttgttg ccgttctacc agcacgctgc gcctaacgct 300
ggcaccctct tacaactgca acaattgctg ccattcaacc aacttgcttt gacaaaccca 360
gcagcgttct accaacaacc catcattggg ggtgccctct tttagatttc ttatgagtta 420
tagttcaata ataaagtttt ttgtctgatg tttgtggctt cccagaaata agaaagtaca 480
tttct 485

<210> 10649

<211> 536
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A11

<400> 10649

acaatatgtg ggggggtggc ggccaaaaat tttgcttcct tatgctcctt ggtctttctg 60
caagtgtctg taccgcaacc attttccac aatgtcaca agctcctata gcttcctttc 120
ttccccata cctctcacca ggggtgtctt cagtttgtgg aaacgccagg ggttcaaccc 180
tacaggatcc aacaggcaat cgcagcaggc atcttacctt tatcaccctt gttcctccaa 240
caaccgtcag cctattaca gcagttacct ttggtgcatt tgttggcaca aaacatcaag 300
gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 420
ccattcagtc agctagctgc tgctacccc cagcaatttc ttccattcaa ccaactggca 480
gcattgaact ctgctgctta ttacaacag caacagctac caccattcaa ccagct 536

<210> 10650
<211> 597
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A12

<400> 10650

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ccaatggcta ccaagatatt agccctcctt gcgcttcttg cccttttagt gagcgcaaca 120
aatgcgttca ttattccaca gtgctcactt gctcctagtg ccattattcc acagttcctc 180
ccacgcgggg ggggggaatg ggcttcgaac atccagccgt gcaagcctac aggctacaac 240
tagcgcttgc ggcgagcgcc ttacaacaac caattgccc attgcaacaa caatccttgg 300
cacatctaac cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat 360
cactgagcca cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcatt 420
ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 480
ttatgccagt gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt 540

catctagccc gctcgcggtg ggcaatgcac ctacgtacct acaacaacag ttgctgc 597

<210> 10651

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A2

<400> 10651

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ggggcacctg ccacctccgg tgcattntccc accgccggtc cacctgccgc cgccgggtcca 120

cctgccaccg ccgggtccatg tgccgccgtc ggttcatttg ccgtctccac catggggggg 180

gcgtgagggg cctccccttc cttatt 206

<210> 10652

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-A5

<400> 10652

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tgggccagtg cgtcgagtgc ctgaggcatc agtgcagccc gacggcgacg ccctactgct 120

cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag gtggagccgc 180

ggggggcggta ccaggcgatc ttcggcttgg tcctccagtc catcctgcag cagcagccgc 240

aaagcggcca ggtcgcgggg ctggttggcg cgcagatagc gcagcaactg acggcgatgt 300

gcggcctgca gcagccgact ccatgcccct acgtctgtgc cggcgggtgc cccactgaa 360

gaaactatgt gctgtagtat agccgctggc tagctagcta gttgagtcac ttagcggcga 420

tgattgagta ataatgtgtc acgcatcacc atgggtggca gtgtcagtgt gagcaatgac 480

ctgaatgaac aattg 495

<210> 10653

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-A6

<400> 10653

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ttgcgttgcc tgtagtgctn cnncttggt nnncttctng nncaagtgcc tgnnctaccg 120
canacncatt nnnctccac catatgnctn ncacaagnct nnctnatnn nagcttnncc 180
tttnnctnn ccccatnac cctnctncac ncnagcggt gnntcttcag tgggtggggg 240
ggcgcaattc ttcaacccta caggatccaa caggcaatcg cagcaggcat cttaccttta 300
tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt ggtgcatttg 360
ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc 420
tactctcagc aacagcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 480
tatttgcaac aacaactacc attcagtcag ctagctgctg cctaccccca gcaatttctt 540
ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca acagctacca 600
ccattcagcc agctagctga tgtgagccct gttg 634

<210> 10654
<211> 598
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-A8

<400> 10654

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acaacagcac caacaacaac atgaatgtga aggccaacaa caacatcacc aacaatcaca 120
aggccatgtg caacaacacg aacagagcca tgagcaacac caaggacaga gccatgagca 180
acaacatcaa caacaattgg gttgtcatga caagcagcaa caaccacaac agcctcagca 240
atatcaagca gnnggccagg aaaaatcaca acagcaacaa tgtcattgcc aggagcagca 300
acagactaca aggtgcagct ataactacta tagcagtagc tcaaactctaa aaaattgtca 360
tgaattccta aggagcagc gcagcccttt ggtaatgcct tttctccaat cacgtttgat 420
acaaccaagt agtgccagg tattgcagca acaatgttgt catgatctta ggcagattga 480

gccacaatac attcaccaag caatctacaa catgggttcaa tccataatcc aggaggagca 540

acaacaacaa ccatgtgagt tatgtggatc tcaacaagct actcaaagtg cgggtggca 598

<210> 10655

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-A9

<400> 10655

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tattttgcct ccttatgctc cttgggtctt ctgcaagtgt tgctaccgca accattttcc 120

cacaatgctc acaagctcct atagcttccc ttcttcccc atacctctca ccagcgggtg 180

cttcaatgtg tgaaaggggg ggggtcaacc ctacaggatc caacaggcaa tcgcaacagg 240

catcttacca ttatcacctt tgttcctcca acaaccgtca gccctattac agcagttacc 300

tttgggtccat ttgggtggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360

aaaccttgct gcatactctc agcaacatca gtttcttcca ttcaaccaac tggctgcatt 420

gaactctgct gcttatttgc aacaacaatt accattcage cagctagttg ctgctaccc 480

ccagcaattt cttccattca accaactagc agcattgaac tetgctgctt atttacagca 540

gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgctt tc 592

<210> 10656

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B1

<400> 10656

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atattttgct tccttatgct ccttgggtctt tctgcaagtg ttgctaccgc gaccattttc 120

ccacaatgct cacaagctcc tatagcttcc cttnttcccc catacctctc accagcgggtg 180

gggggggggg tgaaaaccca attgttcaac cctacaggat ccaacaggca atcgcaacag 240

gcattcttacc attatcaccc ttgttcctnc aacaaccgtc agccctatta cagcagttac 300
ctttgggtcca tttgggtggca caaaacatca gggcacaaca actacaacaa cttgtgctag 360
caaaccttgc tgcatactct cagcaacatc agttttcttc attcaaccaa ctggctgcat 420
tgaactctgc tgcttatttg caacaacaat taccattcag ccagctagtt gctgcctacc 480
cccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct tatttacagc 540
agcaacaact actaccattc agccagctag ctgatgtg 578

<210> 10657

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B11

<400> 10657

atgtgggtggc ggggggtgag gaattactta atgcttctaa gtgctctttt gtatcagggg 60
tatttccaca agcaacagaa gagaacacaa aatcatcaaa atcctcaatt gcaactcgct 120
ttaagataca acttcatgaa ctcatggaga ctttgagctg gtcgancgcc attacataag 180
atgtataaaa ccaaatagtg tccttaagcc tggcattttt gagaatacca atgttctgca 240
gcagcttcga tgttctgggt ttcttgaagc cattagaatc agctgtgctg gttatccac 300
aaggaaacta tttcatgatt ttctacatcg ttttcgtggt cttgctcctg aaattttgaa 360
agagaaaaat gatgaaaaag tctcctgtca aaagggtttg gacaaaatgg gactacaggg 420
ttatcagata ggaagaacta aggtattcct gagggctggg caaatggctg atctggatgc 480
cagaagaaca gagatgcgaa acaatgcagc aaaaggcggt cagagtcaat tccgtactca 540
tgttgctcgt gagcagttcc tagtacta 568

<210> 10658

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-B12

<400> 10658

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 gagaagtttg aggaaggggtg cactcaatg gggacggcca tcaaggagag gatccaggag 120
 aggtcatca aggcacaatc cagcgacttt ggcagcctcc tacagtacga cagctacgat 180
 tctgatgaag ccaggggagg ggacgaggac naagacgaac tctttgaaga cgtcaaggaa 240
 tagcacatcc gtacatatat aatgggtttg tagctgcaaa ttgtgttggtg agtcagttgc 300
 ctctctctgg ttggtgatct ttatatatgg tctcaaaggt aggtcagggt gcaatgtttg 360
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 gcagtcaagg atacagattc cgatggttac ctttgggtta gaacatatat ggctgtaaaa 480
 ttggaagtcg aggtgggttaa aactctgaaa tcttgtctgt tttccttcca aannaaaaaa 540
 annnaannaa aaaaaaaaaa aaaaaaaggg cggccgc 577

<210> 10659
 <211> 545
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B2
 <400> 10659

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 gggccacgac accatncctc ccacnccttc acacctgggg gggggggggg gtccaanatc 180
 atcctctatc tnnaaactca tatntccctc nnetttctct tentnacctt ctccactgnt 240
 gaggcgatgc ggaacgccat cgagggcggtg aacggcaagg agctggacgg gcgcaacatc 300
 accgttaacg agggccagtc ccgcggcggc cgtggaggcg gcggctgcgg ctaccgtggt 360
 ggccgtggag gcggcggtta ctgcggtggc gggcgccgtg atggcggcgg cggctacggc 420
 ggtggcggtg gcggctactg tggcggtggg ggctaccgtg gtggtggtgg cggctaccgc 480
 ggtggcaacc gtggcggtg ttactggcaa ctccgacggg aactgtgaga actgagcggg 540
 ggggc 545

<210> 10660

<211> 584
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B3

<400> 10660

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 agaatggaag aagaaagaca ttactggaat ttaccacaaa tggcagaaca tgaacgagaa 120
 caggctgctc tggaaactgg ggacattgcc accagggtt ctaacttttt acaagctggg 180
 gggggggggg gacaaatcat ggcattgtgt tggcttaggg tacaatccaa ccattgagcg 240
 ctcagagata gacaatgctg ctgtcatcca ctacaatggt aacatgaagc cctggctgga 300
 aattgcaatg ataaagtatc ggccttactg gacaaagtac atcaattatc agcattctta 360
 cattcatgga tgcaagatca gccaatagaa accaccctca gatattcttc tgtgatgaac 420
 attgaagttg gatgggactc aaaatgaaat cagtataact atcacatgtt ctttattcgt 480
 gttatattag atttgtagt tatcatgtgt atgtagtttc gtcgcccttt tgtgggtgctt 540
 tctccctag ctcatgttg gttcttgtct ctttttgtca tgaa 584

<210> 10661
 <211> 604
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-B5

<400> 10661

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 aggccagggg gtgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct 120
 ttctctctac tatcagcaac aacaatttct tccattcaac caactatcta cactgaacct 180
 tgctgcttat ttgcagcaac aactattacc attcaggcag gtggctactg cctactctca 240
 tcaacaacaa cttcttccat ttaaccaatt ggccgcactg aacctcgctg cttatttgca 300
 gcagcaaata ttactaccat ttagccagct agctgcagca agccgtgctt cttcttgac 360
 acagcaacag ttgtgcctt tctaccagca gtttgcggt aaccccgcaa ccctcttaca 420

actacaacaa ttgttgccct ttgtccaact tgctttgaca aaccacagcag cctcctacca 480
acaacacatc attgggtggg cccctctttta gattgcttat tagttgtaat tcaataataa 540
agtttttttg atgatgtatg tggccaacca gaaataagaa gttacatttc cagattctaa 600
tgtg 604

<210> 10662
<211> 336
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-B6

<400> 10662

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ggggggggcg gtccttcagc gggagcgggg catgcatgga cattgtggg tccagtgtca 120
gagcttacct gagcgccctg aacaagatct gcagtttcgc tggcgccgtn gaaagccagc 180
agcgatgtag ctgagaccgc aagcgteccg agcacatgat nagtcccggt ttggttcaaa 240
gtgacatgtt gttcaaaatt tctgctggaa ggatgggtccc ttgagcttag gacaggcagg 300
aagtcttggg gcctatgtag tgagtgtaca atttct 336

<210> 10663
<211> 580
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-C11

<400> 10663

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tatgtcctt ggtctttctg caagtgtgc tacggcgacc attttccac aatgtcaca 120
agtcctata gcttcccttc tcccccgta cctctacca gcggtgtctt cggtatgtga 180
aaaccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt 240
atcacccttg ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt 300
attggcacia aacatcaggg cacaacaact acaacaact gtgctagcaa accttgtgc 360

ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
 ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc ccagcaatt 480
 tcttccattc aaccaactga cagctttgaa ctctcctgct tatttacagc agcaacaact 540
 actaccattc agccagctag ctggtgtgag cctgctacc 580

<210> 10664

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C12

<400> 10664

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 tgcttttttag ttncacaac aattaccatt caaccancta nttntaact acaaaacaaa 180
 attccttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 240
 actactacca ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca 300
 gttgttgccg ttctacctgc acgctatgcc taacgctggc accctcttac aactgcaaca 360
 attgctgcca ttcaaccaac ttgctttgac aaaccecaaca gtgttctacc aacaacct 418

<210> 10665

<211> 502

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-C2

<400> 10665

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 ccagctagct actgcctact ctcatcaaca acaacttctt ccatttaacc aattggcgcg 180
 gctgaacctc gctgcttatt tgcagcagca aatattacta ccatttagcc agctagctgc 240
 agcaagccgt gcttcttct tgcacagca acagttgctg cctttctacc agcagtttgc 300
 ggctaacccc gcaacctct tacaactaca acaattgttg cctttgtcc aacttgcttt 360

gacaaaccca gcagcctcct accaacaaca catcattggt ggtgccctct tttagattgc 420
 ttattagttg taattcaata ataaagtttt ttggatgatg tatgtggcca accagaaata 480
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<210> 10666

<211> 540

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C3

<400> 10666

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 ctacggcgag cattttcccg caatgctcac aagctcctat agcttccctt cttcccccat 120
 acctctcacc agcnatntct tggggggggtg agtgggggga ttcttctacc ctacannatc 180
 caacatgcaa tcnancagg catcttacct ttatcacctt tnttccttca acatttatta 240
 ntctattac atcattttcc tttnttgcct ttattggctc aaaacatcag ggctcatcaa 300
 ctacatcatc tcgtgctagc aaaccttgcct gctactctc agcaacagca gttacctttg 360
 gtgcatttgc tggcgcaaaa catcagggca caacaactac aacaactcgt gctagcaaac 420
 cttgctgcct actctcagca acaacagttt ctgccattca accaactagc tgcattgaac 480
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<210> 10667

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C4

<400> 10667

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 gctaacgcga caattttccc tcaatgctca caagctccta tagcttccct tcttccccca 180
 taccttccat gggggggggg gtcagtatgt gaaaaccag ctcttcagcc ctataggctc 240

caacaagcaa tcgcagcaag caacatacct ttatcacccct tggtgtttca acaatcgcca 300
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 gtgctacctg tgatcaacca agtagctctg gcaaaccctt ctccctactc tcagcaacaa 420
 caattttctt cattcaacca actgtctaca ctgaaccctg ctgcttattt gcagcaacaa 480
 ctattaccat tcagccagct agctactgcc tactctcagc aacaacaact tcttccattt 540
 aaccaattgg ccgcactgaa ccccgctgct tatttgcagc agcaaatact ac 592

<210> 10668

<211> 541

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C5

<400> 10668

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 cagcaccctg atcctgggcc agtgcgtcga gttcctgagg catcagtgca gcccgacggc 120
 gacgccctac tgctcgctc agtgccagtc gttgcggcag cagtgttgcc agcagctcan 180
 gcangtggag gcggatgacc ggggccaggc natcttcggc ttggctcctcc agtccatcct 240
 gcagcagcag ccgcaaagcg gccaggtcgc ggggctgttg gcggcgcaga tagcgcagca 300
 actgacggcg atgtgcggcc tgcagcagcc gactccatgc cctacgctg ctgccggcgg 360
 tgtcccccac tgaagaaact atgtgctgta gtatagccgc tggctagcta gctagttgag 420
 tcatttagcg gcgatgattg agtaataatg tgtcacgcac caccatgggt ggcagtgatc 480
 gtgtgagcaa tgacctgaat gaacaattga aatgaaaaga aaaaaagtac tccatctgtt 540
 c 541

<210> 10669

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-C6

<400> 10669

ccgggtcgacc cagcgtccgg accaatagca catanaagca cgtggtgggc caacaatggc 60
agccaaaata ttttgctcc ttatgctcct tgggtcttct gcaagtgtg ctacggcgac 120
cattttccca caatgctcac aagctcctat agcttccctt cttccccgt acctctcacc 180
agcgggtgtct tggggggggg ggaacccaa ttcttcaacc ctataggatc caacaggcaa 240
tcgcagctgg catcttacct ttatcacctt tgttctctca acaatcatca gccctattac 300
agcagttacc tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac 360
ttgtgctagc aaaccttgc gctactctc agcaacaaca gtttcttcca ttcaaccaac 420
tagctgcatt gaactctgct tcttatttgc aacaacaaca actaccattc agccagctat 480
ctgctgcta ccccagcaa tttcttccat tcaaccaact gacagctttg aactctcctg 540
cttattttaca gcagcaacaa ctactaccat tcagccagct agctggtgtg agccctg 597

<210> 10670
<211> 219
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-C7
<400> 10670

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cgtcattctc tttgtaggcc cttctttttt ttttcttttg gttcaattgc gctaagttca 120
atatgtattc tgctgagaaa tctgtgctcg tttgagaacc cttggacgtt gtatgctagg 180
gagttttaat cttgaatata natgacttgt tgagggatt 219

<210> 10671
<211> 564
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-099-Q1-K6-C8
<400> 10671

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agggaaaaat cacaacagca acaatgtcat tgccaggagc agcaacagac tacaaggtgc 120

agctataact actatagcag tagctcaaatt ctaaaaaatt gtcatagaatt cctaaggcgg 180
 cggggcggcc ctttggaat gccttttctc caatcacgtt tgatacaacc aagtagctgc 240
 caggtattgc agcaacaatg ttgtcatgat cttaggcaga ttgagccaca atacattcac 300
 caagcaatct acaacatggt tcaatccata atccaggagg agcaacaaca acaaccatgt 360
 gagttatgtg gatctcaaca agctactcaa agtgcggtgg caatcttgac agcagcacia 420
 tacctaccat caatgtgcgg cttgtaccac tcatactacc aaaataatcc atgcagcagc 480
 aatgacatta gtggtgtttg caattgaaga atttgtgtcta cctagccgtt atactcctat 540
 aacggtgtta agcaataaag tacc 564

<210> 10672

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-C9

<400> 10672

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 ccattgaaga ttacaagtgc tcatggctag ttgtgcaagc cttgagcgt gctgatgaga 180
 gccaaaagcg cattctatgt gaggggggtg gcaagaaaga tccagcctgt gtggcaaaaag 240
 tgaagaacct ctacaaagaa cttgacctag aggcgggtatt tcaggagtac gagaatgaga 300
 gctacaagaa gctgattgca gacattgaag ccagccaag cattgcggtt cagaaagtgc 360
 tgaaatectt cttgcacaag atctacaaga ggcagaagta ggggtgctctt ggataaacga 420
 gctcaggagt cgttactcct tcgcatgctt gacataaccg gacttcctca cctgggtgct 480
 ctagtatgat gtggagcgtc tagttaaaaa aaatcgatgt agtatgaagc accttgctgc 540
 tctgaatatt aacaggcaat taaggcaagg tgctgtttcg gtttggtgga ccgcatgttg 600
 cagataataa attagttgt 619

<210> 10673

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-D12

<400> 10673

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actttccctc .cttatgctcc ttgctctttc tgcattgtgt gctaacgca caattttccc 120
tcaatgctca caagctccta tagcttccct tcttccccca taccttccat ggggggtagc 180
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caacatacct ttatcacctc tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
agctctggca aacctttctc cctactatca gcaacaaca tttcttccat tcaaccaact 420
atctacactg aacctgctg cttatttgca gcaacaacta ttaccattca gccagctagc 480
tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg cactgaacct 540
cgctgcttat ttgcagcagc aaatattact accatttagc cagcta 586

<210> 10674

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D2

<400> 10674

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ccctgctgct tatttgcagc acaactatt accattcagc cagctagcta ctgcctactc 120
tcatcaacaa caacttcttc catttaacca attggccgca ctgaacctcg ctgcttatgg 180
gggggagcaa atattactac catttagcca gctagctgca gcaagccgtg cttccttctt 240
gacacagcaa cagttgctgc ctttctacca gcagtttgcg gctaaccgca caacctctt 300
acaactacaa caattgttgc ctttgtcca acttgctttg acaaaccag cagcctccta 360
ccaacaacac atcattggtg gtgccctctt ttagattgct tattagttgt aattcaataa 420
taaagttttt tggatgatgt atgtggccaa ccagaaataa gaagttacat ttccagattc 480
taatgtgata ttggtctcca aggtgttgcg ataa 514

<210> 10675
 <211> 583
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-D3

<400> 10675

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caatgctcac ttgctccgag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
gggggggtgag ggcggagctn tncaagccta tangctacaa caagcgcttg cggcgagcgt 240
cttanaacaa ccaattgccc aattacaaca acaatcctta gcacatctaa ccatacaaac 300
catcgcaacg cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcta 360
cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcctacca 420
acaacaacaa cagttgcaac agtttctgcc agcgctcagt caactagcca tgggtgaaccc 480
tatcgcttac ctacaacagc aacaacttct ttcacttagc ccgctcgcta tgggcaatgc 540
acctacatac ctgcaacaac agttgttgca acaacagttg ctg 583

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<210> 10676
 <211> 566
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-D4

<400> 10676

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acaatacaag ccatcacaac gcaacagcaa caacagttcc taccagcact gagccaccta 120
gccatggtga accctgccgc ctcttgcaag acagctgctt gcatccaacc cattgggggtg 180
cgaggggtant tgcaaaccan caacaacaac agctacaaca gtttctgcca acgctcagtc 240
aactagccat ggtaaaccct gccgcctacg tacaacaaca acaactgctt tcacttagcc 300
cgctcgctgt gggcaatgca cctacatacc tgcaacaaca attgttgcaa cagattgtac 360
cagctctgac tcaactagct gtggcaaacc cacttgcta cttgcaacag ctgcttccat 420

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tcaaccaact gactctgtcg aactctgctg cgtacctaca acagcgacaa cagttactta 480
atccattggg agtgggctaac ccattggctg ccgccttact acagcagcaa caattgctgc 540
catacaacca gttctctttg atgaat 566

<210> 10677

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-D6

<400> 10677

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gcaactacag cgatggcgac ctagtcgcca ctctgctcgc gcacaagttg ggagtcactc 120
agtgtaccat cgctcatgcc ttgngagaaa accaaatacc ccaactcgga catatacttg 180
gacaaattcn acagggantg cacggctctt gccagttcac agctgacctt attgccatga 240
accacaccga tttcatcatc accagcacat tccaagaaat cgcgggaagc aaggacaccg 300
tggggcagta cgagtccac atcgcgttca ctcttcctgg gctctaccgt gtcgtccatg 360
gcatcgatgt tttcgatccc aagttcaaca ttgtctcccc tggagcagac atgagtgttt 420
actaccgta tacggaaacc gacaagagac tcactgcctt ccatactgaa atcgaggagc 480
tcattctacg cgacgtcgag aactccgagc acaagttcgt gctgaaggac aagaagaagc 540
cgatcatctt ctcgatggcg cgtctcgacc gcgtgaagaa catgacaggc ctggctcg 597

<210> 10678

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D7

<400> 10678

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tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatggtgaaa acccaattct 120
tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat cacccttggt 180

cctccaacaa tgggtggaggg gtattacaac agttaccttt ggtgcattta ttggcacaaa 240
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 aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct tatttgcaac 360
 aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt cttccattca 420
 accaactagc agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 480
 gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 540
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<210> 10679

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-D8

<400> 10679

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 caggcaatcg caacaggcat cttaccatta tcacccttgt tctccaaca accgtcaggc 180
 gtgtggcagc agttaccttt ggtccatttg gtggcacaaa acatcagggc acaacaacta 240
 caacaacttg tgctagcaaa ccttgctgca tactctcagc aacatcagtt tcttccattc 300
 aaccaactgg ctgcattgaa ctctgctgct tatttgcaac aacaattacc attcagccag 360
 ctagttgctg cctaccccc gcaatttctt ccattcaacc aactagcagc attgaactct 420
 gctgcttatt tacagcagca acaactacta ccattcagcc agctagctga tgtgagccct 480
 gctgccttct tgacacaaca acagttgttg ccgttctacc tgcacgctat gcctaacgct 540
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<210> 10680

<211> 581

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-D9

<400> 10680

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cggggggtctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
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ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gctaccccc agcaatttct 480
tccattcaac caactggcag cattgaactc tctgcttat ttacagcagc aacaactact 540
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<210> 10681
<211> 546
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-E10
<400> 10681

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ttttgtgatc cttttttgtg gggatcgatg tgggnaaata tccacatgta ctgcggtgga 180
tggactacat tcaaaacact gttggtgctg gtacaacttt gcaaaaagata aatgtgacca 240
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gttcaaagaa agccatttcc ctacaaaaaa ctgcttacia gtcaaagga aatgcttact 360
caaagaaatc cacaagaaaa ctttcttaaa ataaagagaa tctactgct tcggggaaca 420
acaaaacctt tggggagaaa aagaaagtgc cagaaaagtc agcaggaaaa acaaccnaga 480
aagctccaaa aaaaattgca gacaaggaat caaagtgcga tatcaatatt ctgaatatac 540
aagttg 546

<210> 10682

<211> 590
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E11

<400> 10682

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tgtttctaac tagttgtgcg cactattggt tagttcatgc cgtttggttg ctttccattg  180
cgtgcaagta tggagtctat tatgttctct tatcatgata tatgtttata tttgttgct  240
tccccattta tgtaattttc aaaggggatg ctgtcgaaat tttatatatg aatgtagat  300
gtgtagttta gtagcattct ggggtgttga ggatcctggg gtgttacatg tacaatggca  360
ccgatgaaga tgactttttg tactgcctcc gaccggataa taaggaaata tttgtatgtc  420
gggagatggc aagaaacata ggatttctga agctcgaagt tggcttttca gcaatgtcga  480
aggatgacct cgcagacagc cttgcttaca atagtctgaa gggcttaatc ttgagcaaca  540
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<210> 10683
 <211> 482
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E12

<400> 10683

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tcggngtgc tgtgcggggt cgtnccgggc ncanctncng ncnccang ggtgcctgtg  180
cagatactcg cgcagcccca actacgggag ctacatccgc agccccaacg cggcgaggct  240
cttcgccatc tgcaacctgc ctatgccgcg ctgccgttat tagcgggcag tagtatatat  300
actagctagc tattccaata caatcatgct cagtcgttgg tatatcgtaa gtactcatgt  360
gaagcatgcg gtgcacacca tggatcatgt aggacgttct gttacatgaa taaaatccag  420

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gacgtctgag tttgtgcggc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 480
cg 482

<210> 10684

<211> 206

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E2

<400> 10684

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ngnnnggggg gggggggggg gggggggggg ggagnggggg gggggggggg nggggggggg 120

gggggggngn nnnngggggg gggggggggg gggggggggg gggggggggg ggggggnggg 180

gggggggggg gggggggggg gggggg 206

<210> 10685

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E3

<400> 10685

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gctaccaaga tattagccct ccttgcgctt cttgcccttt tagtgagcgc aacaaatgcg 120

ttcattattc cacagtgtc acttgctcct agtgccagta ttccacagtt cctcccaccg 180

gtgggggggag gggggcttcn aacatccagc cgtgcaagcc tacaggctac aactagcgct 240

tgcggcgagc gccttacaac aaccaattgc ccaattgcaa caacaatcct tggcacatct 300

aaccctacaa accattgcaa cgcaacaaca acaacaacag tttctgcat cactgagcca 360

cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcat ccaaccact 420

tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt 480

gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 540

gctcgcggtg ggcaatgcac ctacgtacct acaac 575

<210> 10686
 <211> 579
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E4

<400> 10686

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 ttccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa ttttccctca 120
 atgctcaciaa gctcctatag cttcccttct tccccatac cttccatcaa ttgtgggggg 180
 ggggtgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg cagcaagcaa 240
 cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg tgcagtcatt 300
 ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
 agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact 420
 gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc 480
 tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg cactgaacct 540
 cgtgcttat ttgcagcagc aaatactact gccatttag 579

<210> 10687
 <211> 580
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-099-Q1-K6-E6

<400> 10687

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 aataagtctc gtgcaggcga aggacgtaag acgacgcgga cgcaccgtca aagtctacag 120
 gctgcgcaat ccctttctcc ctcttatccc caaggcgagg agctgagggg gggggggggg 180
 cgggggggctg ctgttcttgt tccccgctc tccaagatgt cgtccccgag caagcgccgc 240
 gagatggacc ttatgaagct gatgatgagc gactacaagg tcgagatggt gaacgatggg 300
 atgcaggaat tcttcgtcga attcaagggg cgggccgaaa gtaatagccc tcgcgctgaa 360
 tcccggttgc tcttctctct ccctgcctcc cgtgctgatg gtgcacgctc ctgattctga 420

tctagatggt gtgggggtgga agttcagttt caggaaaact gccagtctcc actgttgatc 480
 gtgttcagat attcttgtcc gtttagcttc atccttgatt ggttgctcag ttgacccgaa 540
 ccgtccttcc ttttcagtca tagtttatca caggattttg 580

<210> 10688

<211> 537

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E7

<400> 10688

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 gatctagtag agaggctagt aggtggctct cgaacgaaga tggtggcggt gttcagcggg 120
 caggtggtgg aggtgccggc ggagctggtg gcggcgggca gccggacgcc gtcncccaag 180
 aggggggggt ggcagctcgt ggggcgcttc ctggcccgct ccgagccggc cgtgtccgtg 240
 cagctcggcg accacggcca cctcgcctac tcccacacca accaggcgct cctccgcccc 300
 aggtcgcttcg cggccaagga cgaggtgttc tgccgtgttc aaggggtgct ggacaacctg 360
 ggtcggctga gccagcagca cgggctgtca agcaagggcg ccaacgaggt gctcctcgtc 420
 atcgaggcct acaagacgct gcgcgaccgc gcgccctacc cggccagctt catgctcgcc 480
 cagctcaccg gctcctacgc cttcgctctc ttgcacaagt ccaccaactc cctgctc 537

<210> 10689

<211> 544

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-E8

<400> 10689

cggctctacc agcgttcttc agcgtccgac catatatctc cctggcgcgg aggcacacat 60
 aatactaaca ttccattccg ttccatctca aaggatagaa caatgggcgg tctctccacc 120
 aagcttttcg tggtcctcct cctgctcggt tgttacaccg ggacgcaagg cgggccgggtg 180
 actatggtnt ctgcgaggaa ggctaggggc anancttcg cttcaaggga ccttgctcga 240

gggacgccaa ctgcgcaaac gtctgcctga ccgaagggtt caccggcggc gtgtgcaagg 300
 gcctacgcca ccgctgcttc tgcaccaggg actgctagta ctgcctcgtc tcgcctcgcc 360
 tcggctcgtg tcttgctgtg gcatagccgc agcggatcag taaaacatgc atgcatgcgt 420
 taccgaatat ttggcagtac cagcaagtta atggattaaa taatatgtaa tggaacaaaag 480
 cctgttttga acgttgaact gctgagtgtc agcagcgctc gtgtttattg gcatatatga 540
 actc 544

<210> 10690
 <211> 336
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-E9

 <400> 10690

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 ccttgcaaag aggctcgagc tgtaccggag tgcccaatcc gaaattgatg ccgttgcatt 120
 gtccaaatag tcttgatggc caagatatct gttcttacc cttgtctggc gattctgtct 180
 ccgtnggggg ggcataatata gctgattttt cgtgtttag gtcaggatcat tttatatatc 240
 accggagctg tacggtgtca tggtccttgt gcttgaggat ctaggggggg cacttgcatt 300
 tcgaacaagt tcttacatcg cgctttcgtt ccatct 336

<210> 10691
 <211> 565
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-F1

 <400> 10691

tgagcattca gaaaacacct agcgaggcgc actagcaacg acctaacaac aatggctacc 60
 aagatattat cctcttttgc gcttcttgcc ctttttgtga gcgcaacaaa tgcgttcatt 120
 attccacaat gtcacttgc tcttagtgcc attattccac agttcctccc tccattgcgt 180
 gatgggcttc gaacacccag ctgtgcaagc ctacaggcta caacaagcgc ttgcggcgag 240

cgtntttacaa caaccaattg cccaattaca acaacaatcc ttggcacatc taaccataca 300
 aaccatcgca acgcaacagc aacaacaatt tctaccagca ctgagccaac tagctgtggt 360
 gaaccctgtc gcctacttgc aacagcagtt gcttgcaccc aaccacttg ctctggcaaa 420
 catagttgca taccaacaac aacaacaatt gcaacagttt ctaccagcgc tcagtcaact 480
 agccatggtg aaccctgccg cctacctaca acagcaacaa ctgatttcat ctagccctct 540
 cgctgtggtt aatgcaccta catac 565

<210> 10692

<211> 578

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F11

<400> 10692

tattattgaa accaacaagc aacataggag gtgggatcca gtagcaacaa tagagcaaca 60
 atggcgacca agatactttc cctccttatg ctccttgctc tttctgcatg tgttgctaac 120
 ggcacaattt tccttcaatg ctcacaagct cctatagctt cccttcttcc cccatacctg 180
 ggggggaggg atagcttcag tatgtgaaaa ccagctctt caaccctata ggctccaaca 240
 agcaatcgca gcaagcaaca tacctttatc acccttggtt caacaatcg cagccctatc 300
 tttggtgcag tcattggtac aaaccatcaa ggcacagcag ctgcagcaac tcgtgctacc 360
 tgtgatcaac caagtagctc tggcaaacct ttctccctac tatcagcaac aacaatttct 420
 tccattcaac caactatcta cactgaaccc tgetgcttat ttgcagcaac aactattacc 480
 attcagccag ctagctactg cctactotca tcaacaacaa cttcttccat ttaaccaatt 540
 ggccgcactg aacctcgctg cttatttgca gcagcaaa 578

<210> 10693

<211> 561

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F12

<400> 10693

aactagcaac atagcagggg cagggggtac caacaatggc agccaaaatt tttgcttcct 60

tatgtctcett ggtctttctg caagtgttgc taccgcaacc attttcccac aatgtcaca 120
agctcctata gcttcccttc ttccccata cctctcacca gcggtggggg cgagggtgaa 180
aaccacaattg ttcaacccta caggatccaa caggcaatcg caacaggcat cttaccatta 240
tcacccttgt tctccaaca accgtcagcc ctattacage agttaccttt ggtccatttg 300
gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ctttgcctgca 360
tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 420
tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca gcaatttctt 480
ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctga t 561

<210> 10694
<211> 518
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-099-Q1-K6-F2
<400> 10694

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actctcagca acagcagttt cttccattca accaactage tgcattgaac tctgcttctt 120
atttgcaaca acaacaacta ccattcagcc agctacctgc tgccctacccc cggggggggg 180
gggggggttca accaactggc agcattgaac tctcctgctt atttacagga gcaacaacta 240
ctaccattca gccagctagc tgggtgtgagc cctgggttctt ttttgataca accacaggtg 300
tgtgcccgtc taccagtatg ctgggcctaa tgggtgggacc ctgttacaac tgcaacaatt 360
ggtgccattc aaccaacttg gtttgacaaa cccaggaggg ttctaccaac aaccatcat 420
tggggggggc ctctttttaga tttgttatga gttatagttc aataataaag ttttttgtct 480
gatgtttgtg gcttcccaga aataagaaag gacatttc 518

<210> 10695
<211> 353
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F3

<400> 10695

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tttttttttt tttttttttt ttnntttttt tttttttttt tttttttttt tttttttttt 120
ttttttnttt nttttnttn tttttttttt tttttttttt tttttttttt tttttttttt 180
ttttttttct tttttttttt tttttttttt tttttttctt tttttttttt tttttttttt 240
ttttctcttt tttctttttt tttttttttt tttttttttt tttntttttt tttttttttt 300
cttttttttt tttttttttt tttttttctt tttttttttt tctttttttt ttt 353

<210> 10696

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-F4

<400> 10696

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tctgcaagtg ctgctaccgc aaccattttc ccacaatgct cacaagctcc tatagcttcc 120
ttttttcccc catacctctc accagcggty tcttcagtat gtgggaaccg aatgggtcaa 180
ccctacagga tccaacaggc aatcgcagca ggcattctac ctttatcacc cttgttcttc 240
caacaaccgt cagccctatt acagcagtta cctttggtgc atttggtggc aaaaaacatc 300
aaggcacaac aactacaaca acttggtgta ggaaaccttg ctgcctactc tcagcaacag 360
cagttttcttc cattcaacca actgggtgca ttgaactctg ctgcttattt gcaacaacaa 420
ctaccattca gtcagctagc tgctgctac cccagcaat ttcttcatt caaccaactg 480
gcagcattga actctgctgc ttatttacia cagcaacagc taccaccatt cagccagcta 540
gctgatgtga gccctggtgc cttcttga 568

<210> 10697

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F6

<400> 10697

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cagagaattt tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat 120
tttccctcaa tgctcacaag ctccatagac ttccttctt ccccatacc ttccatcagg 180
gggggggtgga gtatgtgaaa acccagctct tcaaccatat aggcttcaac aagcaatcgc 240
agcaagcaac atacctttat cgcccttggt gtttcaacaa tcaccagccc tatctttggt 300
gcagtcattg gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat 360
caaccaagta gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt 420
caaccaactg tctacactga acctgctgc ttatttgcag caacaactat taccatttag 480
ccagctagct actgcctact ctacagcaaca acaacttctt ccatttaacc aattggccgc 540
actgaacccc gctgcttatt tgcagcagca aatactactg 580

<210> 10698

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-F7

<400> 10698

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gattttccga gctgggtggt tgaatgccag cgcngaaaag agggaaaggc agagtcagtg 120
tgttaaagca acgaagatgg cctttctcag gggttctgga ggtgcagcga ttttaatttg 180
gggggggtgat ttatgttata tactgttttg cgtcactactg aacttcatcg tttaggactt 240
gacaggggca ttgtatcgat ggccagcttt gtgctagtgc gtttattggt gcgatcccag 300
ttgtatgtaa atgtaaacad tgaccaaagt cagccgaaag aaatgtaata gcgggtcata 360
aactgctatg aatttgat 379

<210> 10699

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-F9

<400> 10699

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caaccatata ggcttcaaca agcaatcgca gcaagcaaca tacctttatc gcccttggtg 120
tttcaacaat cgccagccct atctttggtg cagtcattgg taaaaacat canggcacaa 180
cggggggggc gactcgtgct acctctgata aaccaagtag ctctggcaaa cctttctccc 240
tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa ccctgctgct 300
tatttgagc aacaactatt accatttagc cagctagcta ctgcctactc tcagcaacaa 360
caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt gcagcagcaa 420
atactactac catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa 480
cagttgctgc ctttctacca gcagtttgcg gctaaccccg caacctctt acaactacaa 540
caattgttgc cctttgtcca acttgctttg acagaccc 578

<210> 10700

<211> 568

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G10

<400> 10700

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caagtgtgc taccgcaacc attttccac aatgtcaca agctcctata gcttcctttc 120
ttccccata cctctacca gcggtgtctt cagtatgtga aaacgggggtt gcttggaccc 180
tacangatcc aacaggcaat cgcagcaggc atcttacctt tatcacctt gttcctcaa 240
caaccgtcag cctattaca gcagttacct ttggtgcatt tgttggcaca aaacatcaag 300
gcacaacaac tacaacaact tgtgctagga aaccttgctg cctactctca gcaacagcag 360
tttcttccat tcaaccaact ggctgcattg aactctgctg cttatttgca acaacaacta 420
ccattcagtc agctagctgc tgctacccc cagcaatttc ttccattcaa ccaactggca 480
gcattgaact ctgctgctta ttacaacag caacagctac caccattcag ccagctagct 540

gatgtgagcc ctgttgccctt cttgacac

568

<210> 10701

<211> 551

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G12

<400> 10701

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ctttacgatg ccatgaaaga ttgggtcagc gaactcgggg gggggggcgg aactcaacga 180

gaagctggtg gagaagcagg atgagctcga gaaggcccgt caggaattcc ttgaagatat 240

tcgtacaagg gacgctgaaa ttctgaagct gaagcagctc ttagatgaga aggctgaaaa 300

aaacaattct gcagctactg ggtttccttg cctagcgcct gaagctgtcc tagaaaattc 360

aactccattg tcacctaaaa gaaagacacc attttccac ggcaagcagc tagaatgctc 420

cagaagacat acacgcatct cagggaatag gacaacagag attcggagtg ctcatatgct 480

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attttcggtt t 551

<210> 10702

<211> 135

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G3

<400> 10702

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ttgcttctct atgctccttg gtctttctgc aagtgttgct accgcaacca ttttcccaca 120

atgctcacia gctcc 135

<210> 10703

<211> 572

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-G4

<400> 10703

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cacttatgtc atagaactaa ttctcacgaa gaatcagaat aagatagaac ttaccaaac 120
gacccttaca tacactgggtg ctgacacata caaacagaca cacgcacata ctgggggggg 180
gggggggggg acacacacat acgaccataa gtatatagga gggatacaca ctaaaacgaa 240
cacatgacat acaggaaatt aaactaagtt taaattgctt attttccacg agacgaaaca 300
cgagcacgng aaaatggcaa gacaagagag cgacaccacc aaacatgcat gcatgggtat 360
gctagttcac atgacactgc acgaggggccc gccgccctgc ctgggttgggt ggtgggtggcg 420
gccatgctgc tgctgctgcg cgcgctggca gtcggcgctg gcgtcgtcct cggtgccgat 480
ggaacagcca ggctcgact ggtcgccacc agcgtcggcg taggcggtag catcggttc 540
atcatcagcg tacgcggggg cggcgggccc gt 572

<210> 10704

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G5

<400> 10704

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tgcgagcgcc acctccacgc atacaagcgg cggtcgggc tgccagccac cgccgccggt 120
tcacttaccg ccgccggtgc atctgccacc tccggttcac ctgccacctc ctgggcgggt 180
gccggcgggc gtccacctgc cgccgccggt ccacctgcc cgcacggtcc atgtgccgcc 240
gccggttcac ctgccgcgc caccatgcc ctacctact caaccgcccc ggcctcagcc 300
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gggaacctgc ggcgttgga gcaccccgat cctgggccag tgcgtcgagt ttctgaggca 420
tcagtgcagc ccgacggcga cgcctactg ctgcctcag tgccagtcgt tgcggcagca 480
gtgttgccag cagctcagga aggtggagcc gcagcaccgg taccaggcga tcttcggctt 540

ggtcctccag tccatcctgc agcagcagcc gca

573

<210> 10705

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G6

<400> 10705

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cattattcca caatgctcac ttgctcctag tgccattatt ccacagttcc tccctgcagg 180

gggggtgaatg ggcttcgaac acccagctgt gcaagcctac aggctacaac aagcgcttgc 240

ggcgagcgtc ttacaacaac caattgcca attacaacaa caatccttgg cacatctaac 300

catacaaacc atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc 360

tgtgggtgaac cctgtgcct acttgcaaca gcagttgctt gcatccaacc cacttgctct 420

ggcaaacata gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag 480

tcaactagcc atgggtgaacc ctgccgcta cctacaacag caacaactga tttcatctag 540

ccctctcgct gtggttaatg cacctacata cctgcaacaa c 581

<210> 10706

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-G7

<400> 10706

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ccgccgagca gccaatcca aagcgtgaca aagccgctgc aaatgattca acatacctca 120

atcctcaagc tcatgatagt gttcttggaa tcattctggg aggtgggtgct gggactaggg 180

ggggcggtt gacaaagaag cgtgccaaag ctgcagtgcc attgggtgcc aactatagac 240

tgattgatat tctgtcagc aattgtctca acagcaacat atccaagatc tatgtgctaa 300

cgcaatttaa ctctgcttcc ctcaaccgtc acctctcaag agcctacggg agcaacattg 360

gaggggtacaa gaatgaaggg tttgttgaag tcttagctgc acagcagagc ccagataatc 420
 caaactgggt tcaggggtact gcagatgctg taaggcagta cttgtgggtg tttgaggagc 480
 ataatgtgat ggaatttcta attcttgcctg ggcgtcacct gtaccggatg gactatgaaa 540
 agttcattca ggcacacaga gaaacaaatg ctgatattac c 581

<210> 10707

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G8

<400> 10707

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 cacagtgaat atctcgtccg catctgccag cgcgcgccac gtgaccaaga cgctgctcga 180
 caaggcgggt ntgccttgta cctcatcgac ggcgtgctcc tgccaaggca gcagtctaac 240
 gacgaccagg gacacactgc gccgcgccct gcgcgggctt cctcgcctgc acatgcacct 300
 acacctgccc ttgcgcgggt ctgcgcctgc cctgcacctg taccgggtctc gccgtcgccg 360
 tcgcctgcac atgcacccac acccccactt gccctgctc cggtgactgc acctgcgcc 420
 aggagtcgcc cagcgcctac gccagagcac actacccag ctccttcgcc ggacgcggac 480
 ggccaaccgc ctgcagatca gaagaacaac gcagcaaggg aactgcctc ttggactatc 540
 gggcgggtgc tggcgatcgt gtgcctcttg tcgtgaaggg tttaagc 587

<210> 10708

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-G9

<400> 10708

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acatggctct gcttaagaat gtcacgagac tttccatgac atcggtgaaa ggtgcggagg 180
 ccgaggatat atcttcttcc gtgacggcaa ttgctaacga gaagatcaag gctgagaagg 240
 aggctgcagc aggcaaaaag aaacaaggag cgaaaaagaa gcaactccac atcgagaaaag 300
 gagacgacga cttcatcccc ggccgggggtg gtggctacga tgaccccgat gagtacgact 360
 tcatgtgatc tggctgggag ggatagtagg tttctgttat gtataccttt ggcgggcaga 420
 gaatatatca ctagagtttg cggcatacta ttgcatggaa catgcgttat ctattcgaga 480
 atgatttttg actctgcagg ataagaagag cacttgtgat ctggatgcat ggggtgttttc 540
 ttatttatcc ttgaatcttt gtgttatttt ttttttcaac attgcatttt ttgc 594

<210> 10709
 <211> 519
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-099-Q1-K6-H1

 <400> 10709

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 ccgcttcacg tgccctctgc aggtcccctt tccgccccaa atggagccga agaagtcctc 120
 cgnccagcgc cagccccacg ccatggagcc caacaagtec tctctatgcg gcgccggggg 180
 tggggggggc accgccgaag ccgantcccc gttgtgcagc ttgttctacc cgccggcgcc 240
 gaccgcggtc aaatgggtaa agatttggac ttgtacagca ttctttataa agggcagagc 300
 gggagcgcac aagctggcgt cacagatggt aaaccgcaat gggctccttc ttccagaagt 360
 cgtgccgcga atgcaaagga tggtaaacad tcaccgcctt atgattcagt tgatacgtcg 420
 tgttttggat cgtctgtgga ttatggtggt cgagattatt tctacgggag ctctacaccc 480
 aagaaagtga cagaatcctc cactgactac aaagggaac 519

<210> 10710
 <211> 582
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-099-Q1-K6-H12

 <400> 10710

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acaattgggg tgttgggctt ccaccaagag aaaagaacga agggagctgg cctttgatga 120
agccaagatt ggagaacccg tcgttcaaac ctgcaaaaca tgacattatt gctgccttag 180
acaaatttat tgatggggcg aggatcagat actcatcacc tctctttcgc ctaactacag 240
caagtgatat tgtgcaaagg gttaactttc acaacacagg gccctccttg gttccaggag 300
ttattgtcat gagcatcgaa gatgcacgaa atgataggca tgatatggcc cagatagatg 360
aaacattctc ttgtgtcggt acagtcttca atgtatgtcc gtacgaagtg tctatagaaa 420
tccctgatct tgcatcactg cggcttcagt tgcattccagt gcaggtgaat tcatcggatg 480
cgtagccag gcagtctcgc tacgaccccg ccacaggtcg attcacctg ccgaaaagga 540
cagcagcagt gttcgtggaa cccaggtgct gatggatgcc tt 582

<210> 10711
<211> 536
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-099-Q1-K6-H2
<400> 10711

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ccaaaaacca tgaagctggt gcttgtggtt cttgctttca ttgctttagt atcaagtgtt 120
tcttgtagac anacaggggg gggttgctng ggggaacaac aaanccatna ccancaacat 180
catccacaac aacatcatcc acaaaaacaa caacatcaac caccaccaca acatcaccag 240
cancatcaac accaacaaca acaagttcac atgcaaccac aaaaacatca tcaacaacaa 300
gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc accaccaaca acaacaacaa 360
cagcaccaac aacaacatca atgtgaaggc caacaacaac atcaccaaca atcacaaggc 420
catgtgcaac aacacgaaca gagccatgag caacaccaag gacagagcca tgagcaacaa 480
catcaacaac aattccaggg tcatgacaag cagcaacaac cacaacagcc tcagca 536

<210> 10712
<211> 583
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-099-Q1-K6-H7

<400> 10712

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ttttgectcc ttatgctcct tgggtctttct gcaagtgtct ctacggcgac cattttccca 120
caatgctcac aagctcctat agcttccctt cttccccctg acctctcacc agcgggtgtct 180
tggtgggtgtg aaaacccaat ttttcaacct tataggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gtctctccaa caatcatcag ccctattaca gcagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac 480
ccccagcaat ttcttccatt caaccaactg acagctttga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gcc 583

<210> 10713

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-H8

<400> 10713

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ccttatgctc cttggtcttt ctgcaagtgc tgctacggcg accattttcc cgcaatgctc 120
gcaagctcct atagcttccc ttcttcccc gtacctctca ccagnncggt gtcttcggtg 180
ggggggggaa cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct 240
tacctttatc acccttgctt ctccaacaat catcagccct attacatcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttgct ctagcaaacc 360
ttgctgcta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta ttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
agcaatttct tcattcaac caactggcag cattgaactc tcttgcttat ttacagcagc 540

aacaactact accattcagc cagctagctg gtgtgagccc tg

582

<210> 10714

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-099-Q1-K6-H9

<400> 10714

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tttccctcct tatgctcctt gctctttcta catgtgttgc taacgcgaca attttccctc 120

aatgttcaca agctcctata gcttcccttc ttccccata ccttccatca attatagggg 180

gaatatgtga aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca 240

acataccttt atcgcccttg ttgtttcaac aatcgccagc cctatctttg gtgcagtcac 300

tggtacaaac catcagggca caacagctgc agcaactcgt gctacctctg atcaaccaag 360

tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca ttcaaccaac 420

tgtctacact gaaccctgct gcttatttgc agcaacaact attaccatth agccagctag 480

ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc gcactgaacc 540

cogctgctta tttgcagcag caaatactac taccatth 578

<210> 10715

<211> 568

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A1

<400> 10715

ctcacttgct cctagtgcc aattccaca gttcctccca ccattacttc aatgggcttc 60

gaacacctag ctgtgcaagc caacatgcaa caacaagcgc ttgcggcgag cgtcttataa 120

caaccaattg cccaattgca acaacaatcc ttgccacatc taacaatata agccatcaca 180

acgcaacagc aacaacagtt cctaccagca ctgagccacc tagccatggc gaaccctgcc 240

gcctacttgc cagagcagct gcttgcaccc aacccacttg ctctggcgaa cgtagtgtga 300

aaccagcaac aacaacagct acaacagttt ctgccaacgc tcagtcaact agccatggtg 360
aaccctgccg tctacgtaca acaacaacaa ctgctttcat ctagcccgct cgctgtgggc 420
aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc tctgactcaa 480
ctagctgtgg caaacctgtg tgccacttg caacagctgc ttccattcaa ccaactgact 540
ctgtcgaact ctgtgcgta cctacaac 568

<210> 10716

<211> 274

<212> DNA

<213> Zea mays . . .

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A10

<400> 10716

ggcnnccaac anccagccgn gcaagccnac aggcnaaac nagcgcnngc ggcgagcgcc 60
nnacaacaac caanngccca anngcaacaa caanccnngg cacancnaac ccnacaaacc 120
anngcaacgc aacaacaaca acaacagnnn cngccancac ngagccaccn agccngngng 180
aaccnngnca ccnacttgca acagcagcng cnngcancca acccacnngc tcnggcgaac 240
gnagcngcan accagcaaca acaacagcng caac 274

<210> 10717

<211> 576

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A11

<400> 10717

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aaaactgctg caagcaaacc tgataaaaat gagcagaatg acacaactgc agtaaaactat 120
gaggaggcag cacttgatc atcatctagt gattacagga tgcccttggt atggattgac 180
ttggaaatga ccggtttgga tataacaaaa gatcggattt tggagattgc ttgtatcata 240
acggatggca aacttacaaa acaaatagag ggtcctgact tagttataag ccagagcaaa 300
gattgtttag ataatatgga tgaatgggtgc aaaactcatc atgcagctag tggtttgacg 360

gaaagagtac tgcagagtga actttctgag catgatgcag aggcaaaagt tttagacttt 420
 gttaggaagc acataaattc aggcactcca ttattagctg ggaattctgt ttatgtggat 480
 tttctatttc tgaagaagta catgccacag cttgcagccg tcttctctca tgtaattgtc 540
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<210> 10718

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A12,

<400> 10718

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 gatgttggtt tatcaggatc tcctatctgg cgacgagctc ctgtcggatt cattcaccta 120
 caaggagctc gagaacggcg tcctgtggga ggctcagggga aagtgggtca cccagggggg 180
 ggggatgtgg acattggtgc caatccatcc gccgaggggtg gtgaggacga aagcgttgat 240
 gacacagctg tgaagggtgt tgatattgtt gacacattcc gtctacagga gcaacctcct 300
 tttgacaaga aatcatttgt gtcttacatc aaaaaataca tcaagaatct cactgctgtg 360
 ttggagccag agaaagcgga tgagttcaaa aagggtgtcg aggggtgcaac caagtttctc 420
 cttagcaagc tgaaggacct ccaatttttt gttggtgagt ccatgaagga tgatgcgtct 480
 gtgggtattcg cctattacaa ggatggtgcc actaatccga cattcctcta tttctctcat 540
 ggtcttaagg agatcaagtg ctaggcgtgc ggcgaaatta gttacccatg ttgggtacta 600
 t 601

<210> 10719

<211> 589

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-A2

<400> 10719

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 gatattagcc ctctttgcgc ttcttgccct tttgtgagc gcaacaaatg cgttcattat 120

tccacaatgc tcacttgctc ctagtgccat tattccacag ttctctccac cagttacgtg 180
 ggggtgggct tcgaacacct agctgtgcaa gccaatgc aacaacaagc gcttgcggcg 240
 agcgtcttac aacaaccaat tgcccaattg caacaacaat ccttgccaca tctaacaata 300
 caagccatca caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg 360
 gtgaaccctg ccgcctactt gcaagagcag ctgcttgcac ccaaccact tgctctggcg 420
 aacgtagtgtg caaaccagca acaacaacag ctacaacagt ttctgccaac gctcagtcaa 480
 ctagccatgg tgaaccctgc cgcctacgta caacaacaac aactgctttc atctagcccg 540
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<210> 10720
 <211> 590
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-A3
 <400> 10720

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 ggggccaagg aattttccat ccttatgctc cttgctcttt ctgcatgtgt tgctaacgcg 120
 accatttttc ctcaatactc acaagctcct atagctgccc ttcttcccc atactttcca 180
 tcagggaggg ggggggggtgt gaaaaccag cccttcaacc ctacaggatc cagcaagcaa 240
 tcgcaacaag caacttacct ttatcacacc tggtctttca acaatcgcca gccctatctt 300
 tgggtgcagtc attggtccaa accatcaggg cagaacagtt gcagcaactc gtgctaccag 360
 tgatcagcca agtagctttg gcaaaccctt cccctactc tcagcaacaa caatttcttc 420
 cattcaacca actgtctata ctgaaccctg ctgcttattt gcagcaacaa caactactac 480
 cattcagcca gctagctact gctactctc agcagcaaca attttctcca tttaaccaat 540
 tggcgcgact gaaccctct gcttatttcc agcagcaaat actactacca 590

<210> 10721
 <211> 287
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-A7

<400> 10721

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ndagcaagga caaccnggcc cngggaaagc cgaggaggga agccgagcgc gccaagagag 180
ccncagcaa ccagcaccag gncgggng agaacgagnc ccncnngac gggaccgann 240
ncncggagcc gcggaccg gccaggnng aggagcgga caacgac 287

<210> 10722

<211> 569

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B1

<400> 10722

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ctatcagatt ctgcacgagt acaaaattca caatgctgag gtgttattcc gtgaagatgc 120
tctgggtgat ctcatgacg ttatcgaagg aaccggaagt cataaagtgc gggggcgggt 180
ataacaagat cgatgttgtt ggtatcgatg acgttgataa tcttgctcgg caaccaaatt 240
cactagtgat cagctgcaat ttgaagctga acttgacag actacttgcg agaatgtggg 300
aggagatggg cctagtgagg gtgtatacaa agccacaggg ccagcagcct gatttcacag 360
accagttgt tctttccacc gacagagggt gctgcacggt ggaggacttc tgcaatcata 420
tccatagaag tttgctcaag gacgtgaagt atgtgctcgt atggggaacc agcgcaaggc 480
actatccaca gcattgcggg cttggccatg gccttaacga cgaggatgtc gtccagatag 540
taaagaagaa ggaaaaggag gaggtgggc 569

<210> 10723

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B10

<400> 10723

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gctgaattgg gccagtgtg gtgaaaagcg cgatgatact cctgaatata ctatttttgt 120
tggggatttg gctgcagatg ttacagatta cttgttataa gagacattca ggggtgcatgg 180
tgggctctgt caaggggtgca aaagttgtga ctgataaatt gacaatgcgc acaaagggtt 240
atggatttgt gaaatttggg gatcctacag agcaagctcg tgcaatgact gaaatgaatg 300
gaatgccttg ttcttccagg cctatgcgta ttggctctgc agcaagtagg aaaaatacag 360
gaggtgttgt tcaagagaga gtaccaaatt ctcaaggagc tcagtctgag aatgatccta 420
acaataccac tatatttgtt ggtgggcttg accccaatgt cactgaagat accctaaaac 480
aagttttttc tccttacggt gaagtcgtcc atgttaagat cctgttggg aagagatgtg 540
gttttgttca gttcgttacc agaccttctg ctgaacaagc gctgctaata ctgcaagggc 600

<210> 10724

<211> 493

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B11

<400> 10724

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ggcgttggca gcaccccgat cctgggccag tgcgtcgagt ttctgaggca tcaatgcanc 120
cctacgggta gtcgggactg ctncctcan tgccagtcct tgccggaaca aaaaaaccaa 180
caactcaggc aggtggagcc ccagcaccgg taccaggoga tcttcggctt ggtcctccag 240
tccatcctgc agcagcagcc gcaaagcggc cagctcgccg ggctgttggc ggcgagata 300
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gccggcggtg tccccactg aagaaactat ctgctgcagt atagccgctg gctagctagc 420
tagttgagtc atttaccgc catgattgag taataatgtg tcacgcata ccatgggtgg 480
cagtgtcagt gtg 493

<210> 10725

<211> 536

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B12

 <400> 10725

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 aggagggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt tttttttccc ccttnananc 180
 cccttttttt tttgtacnn ggggnccncc ccnncnccnccccccctt ttttcccaac 240
 aaaaaaaaaa aaaaatcccc ccccttttcc aaccttnnnc cctnnaaaac cctttccttc 300
 cccaatttta ttccctttcc accacttccc tttttccccc ttcccccctt tccttaaaac 360
 cccccaccn ntcccctttc caaacttttc tccccctta ttaccaattt cccccccccc 420
 ttttcccccc tttaaaccncc ccannttttn tttttccccc ctttttnccc ctttcccttt 480
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<210> 10726
 <211> 217
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B2

 <400> 10726

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 ctccatagc ttcccttctt cccccgtacc tctcaccanc ttttttttgg gggggggggg 120
 gggcanttct tcanccttc tttatccaac attcatttac aattttcttt ttatcttttt 180
 ttcccttttt tctttttctt tttttatttc tttttct 217

<210> 10727
 <211> 343
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-B4

<400> 10727

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tatgtgtttc gcnagcgcga nanttttnana angtgcantt cttgaaaaaa gtcaaatagc 180

attgcgaatt ctgtttccgt ggtggacgat ctttcgttat tgagaggagt gatagtttga 240

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taatacattg gatgcaattg gcatcttgaa ttnnnaaaaa naa 343

<210> 10728

<211> 529

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B5

<400> 10728

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gctgctacgg cgaccatttt cccacaatgc tcacaagctc ctatagcttc ctttcttccc 120

ccgtacctct caccatcttg tgtggttgn gggggggana aaccaattc ttcaacccta 180

cangatccaa caagcaatca cagctggcat cttaccttta tcacccttgt tcctccaaca 240

atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa acatcagggc 300

acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt 360

tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac aacaacaact 420

accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca accaactgac 480

agcattgaac tctcctgctc atttacagca gcaacaacta ctaccattc 529

<210> 10729

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-B6

<400> 10729

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agacctaccc tggcttcaag cgcattacca tcaaccctg ttttgcctg ggtnttcccc 120
gagaccaaca ctgncatcat tgctcttact aagggtcgcc tgatgaacct tgggtgtgct 180
actggccatc ctagctttgt catgtctgc tcattcacta accaggtcat tgcccaactt 240
gaactgtgga aggagaagag ctctggcaag tatgagaaga aagtgtatgt gctccccaag 300
caccttgatg agaaggttgc tgctctccac ttgggcaagc ttggtgcaa gctgaccaag 360
ctcaccaagt cttcagccga ctacatcagc gtgcccacg agggtccta caagcctgcc 420
cactaccggt actaggcaac cagcaca 447

<210> 10730
<211> 501
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-B9
<400> 10730

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tgttgctgaa atgactggcg ccgttgattt tgagaaaacc ctagagtatt ggcaacagga 180
caagtggaac ggctccttct ctgttaagtg gcacattgtc aaggacgtgc ccaacaatat 240
tctcaagcac atcatcctgg agaacaatga gaacaagcct gtcacaaaca gccgtgacac 300
tcaggagata cgctcgaac aaggccttca gatgctcaag atattcaagg atcatgtcag 360
caaaaacttcc atcctcgacg actttgcctt ctatgagagc cgccagaagt tgatgcagga 420
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<210> 10731
<211> 215
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-C1

<400> 10731

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gggggcaaaa tttttgcctg cttatgctcc ttgggtctttc tgcaagtgtc gctacgggga 120
ccattttccc gcaatgctcg caagctccta tagcttccct tcttccccct tacgtggggg 180
gggggggggc ttctntttnt naaaaccnat ttttt 215

<210> 10732

<211> 536

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C10

<400> 10732

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ctagcaaacc ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactaggt 120
tcattgaact ctgcttctta tttgcaacaa caacaactac cattcancca gctacgggtc 180
gocggccccc agcaatttct tccattcaac caactagcag cattgaactc tcttgcttat 240
ttacagcagc aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc 300
ttgacacaac cacagttgtt gccgttctac cagcacgttg cgcctaacgc tggcacccctc 360
ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaacc agcagtgttc 420
taccaacaac ccatcattgg tgggtgcctc ttttagattt cttatgagtt atagttcaat 480
aataaagttt tttatctgat gtttgtggct tcccagaaat aagaaagtac atttct 536

<210> 10733

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C11

<400> 10733

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tcgtgaagac cctgaccggg ggnacgatgg cccttgaggt ggagtcttca gacaccatcg 180
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 tcttcgctgg caagcagctg gaggatggcc gcacccttgc ggattacaac atccagaagg 300
 agagcaccct ccacctggtg ctccgtctca ggggtggcat gcagatcttt gtgaagacac 360
 tcactggcaa gacaatcacc cttgaggtgg agtcttcgga taccattgac aatgtcaagg 420
 ccaagatcca ggacaaggag ggcattccac cggaccagca gcgcctcatc ttcgccggca 480
 agcagctgga ggatggccgc accctggcgg attacaacat ccagaaggag agcactctcc 540
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<210> 10734

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-C12

<400> 10734

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 gtttcttcta cacagacagg cggctgcagc tgtggtcaac aacaaagcca tgagcgggga 180
 cagcatgggc aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaaca caaccgcagc accaccacca acaacaaca 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcaca 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca gggctcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atcacaacag caacaatgtc attgccagga gcagcaacag 600
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<210> 10735

<211> 623

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-C2

<400> 10735

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ttttcccgca atgtctcgaa gctcctatag cttecccttct tcccccgta cttctcaccag 180
cgggtgtcttc ggtatgtgaa aacccaattg gggggggggg cgggatccaa caggcaatcg 240
cagctggcat cttaccttta tcacccttgt tctctcaaca atcatcagcc ctattaqaac 300
agttaccttt ggtgcattta ttggcacaaa acatgagggc acaacaacta caacaacttg 360
tgctagcaaa ctttctgtcc tactctgagc aacagcagtt tttttcattc aaccaactag 420
gttcattgaa ctctgtttct tatttgcaac aacaacaact accattcagc cagctacctg 480
ctgcctaccc ccagcaattt cttccattca accaactagc agcattgaac tctcctgctt 540
atttacagca gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct 600
tcttgacaca accacagttg ttg 623

<210> 10736

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C4

<400> 10736

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gaagtacctt gccgaactgc tcgcggagag gcagaagctt ggcccgttcg ttccattgat 180
ccncatatt tttggggggg gtggggggga aattttacnt ntttccacac tattnnaaaa 240
cacatacata ataaatcaaa tttnccttna acattttatt ccactaacia catnattatt 300
atattcaa at nnaccatcta cttacatnaa tntntnnaca tcancatttc aaccantaaa 360
ttcaccanct tatactctnnc ttntatgatc ccannncanc tctcttnac ttattgtcaa 420
caaaacaatt aatgtccatt tcccantana caaatatcca acattcaatt ttcttgggccg 480

catccttggg ccaagaggaa attccttgaa gcggtggag gcaaataccg actgccgtgt 540
gctaataaga ggtcggggca gcatcaaaga tccccacgg gaggaatga tgcgaggga 600
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<210> 10737

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C6

<400> 10737

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cctggctctg tcagctgcc a gcgctctgc aatgcagatg ccctgcccct gcgcggggct 120
gcagggcttg tacggcgtg gcgcgggct gaccactatt atgggggtcg tcgggggtga 180
cccctacn nantacctnn agcancnca atgcaaccg ctggcgggcg cgcctacta 240
cgccgggtgt gggcagccga gcgcatgtt ccagcgcgc cggcaacagt gctgccagca 300
gcagatgagg atgatggacg tgcagtccgt gcgcgagcag ctgcagatga tgatgcagct 360
tgagcgtgcc gctgccgcca gcagcagcct gtacgagcca gctctgatgc agcagcagca 420
gcagctgctg gcagcccagg gtctcaacc catggccatg atgatggcg agaacatgcc 480
ggccatgggt ggactctacc agtaccagct gccagctac cgcaccaacc cctgtggcgt 540
ctccgtgcc attccgcct actactgatt c 571

<210> 10738

<211> 517

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-C7

<400> 10738

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agtgttgcta ccgcaaccat tttcccacaa tgctcacaag ctctatagc tttccccctt 120
ccccatacc tctcaccanc ggtgtctggg atgggtngga cccaattgt tcaaccctac 180

cagatccaac aggcaatcgc aacaggcatc ttaccattat cacccttggt cctccaacaa 240
 ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca 300
 caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt 360
 cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaattacca 420
 ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca actagcagca 480
 ttggaactct gctgctttat ttacagcagc aacaact 517

<210> 10739
 <211> 100
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-C8

<400> 10739

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 ctggccttca gatggttgat tttttttttt tcnaaatcaa 100

<210> 10740
 <211> 275
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D1

<400> 10740

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 cgtgactcga tgcacaagcg ccgagccacc ggtnggaaag cagaaggcct ggaggaagaa 120
 gcgaaagttg agcttggtcg ccagccagcc aacaccaagt tgtcaagcaa taagaggggg 180
 gggaggggtc gtgttcgtgg aggtaatgtg aaatggaggg ctnttngnct tgatactggg 240
 aactacttat ggggaagtga agctgttacc cgcaa 275

<210> 10741
 <211> 603
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-D11

<400> 10741

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cagaatggaa tttctgagcc agctgccaac aatgctctcc agtatcaaga gcaaaaccct 180
caggggtcgg ggaagtaccc ctgcaggetc aggetccctc aaccatttg ggtccctttt 240
gctgtgggtg ctgggaggcg gtgcttctga tggcatagtt tctttcttct ctatgttcag 300
agatgttcgt gatcatggtc aagattacac cgatccacct cgaaatggaa atgatcaggt 360
gacatagaat catggggatg aaagtgggcc aatgactgaa ctcgagtgtc tgggcggcag 420
cagtctcttt ctaatatgat ataatgccag cacctccctt caaaaggata atgacgaata 480
ttggtggcaa ctatacagac tgggtgctgc ggagatgcca tgtagtatt atctgtttct 540
cactttttta gtagtaggt aaggggtgaag gttgtatcta tattcattac atgtgcacat 600
tcc 603

<210> 10742

<211> 528

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D3

<400> 10742

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attttccgc aatgctcgca agtcctata gcttcccttc tttcccgta cctctacca 120
gcggtgtctt cggatatgta aaaccggggg gggcgggggt acannatcca acaggcaatc 180
acagctggca tcttaccttt atcacccttg ttcctccaac aatcatcagc cctattacat 240
cagttacctt tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt 300
gtgctagcaa accttgctgc ctactctcag caacagcagt ttcttcatt taaccaacta 360
gtgctattga actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct 420
gtgcttacc ccagcaatt tcttccattc aaccaactgg cagcattgaa ctcttctgct 480
tatttacagc agcaacaact actaccattc aaccagctaa ctgggtgtg 528

<210> 10743
 <211> 586
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D4

<400> 10743

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 ttngaaagaa caactggaca cattgttata gatgttctag gcgagagggt aagggttgat 180
 gtgggggggg gggatgaatt cnatagtgtg agaaaaagaa tgtctgttat tgtaagggtt 240
 ccggacaaca atgtgaaggt tcttgtgaaa ggtgctgaca catcaatgtt aaacattttg 300
 aaagtagaaa ttgatgatga actttatgat tcgttgcatg ttaaaattag agaagctaca 360
 gaaaatcatt tgtcagccta ttcacagag ggtttacgga ccttagtcat tggttcaaaa 420
 aatctgacag atgcagaatt tagtgaatgg caggaaatgt acgaagaagc tagtacctcc 480
 atgcatgaga gatcagcaaa gctccgtcaa gcagcaggtc tggtagaatg caatctaacc 540
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<210> 10744
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-D5

<400> 10744

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 aattttgcct gattgtgctc cttggtcttt ctgcaagtgc tgctacggcg agcattttcc 120
 cgcaatgctc acaagctcct atagcttccc ttcttcccc atacctctca ccagcgatgt 180
 cttcattttg gtaagatggg ttcttctacc ctacaggatc caacaggcaa tcgcagcagg 240
 catcttacct ttatcacctt tgttctcca acaatcatca gccctattac agcagttacc 300
 tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac tcgtgctagc 360

aaaccttgct gctactctc agcaacagca gttacctttg gtgcatttgt tggcacaaaa 420
catcagggca caacaactac aacaactcgt gctagcaaac cttgctgcct actctcagca 480
acaacagttt ctgccattca accaactagc tgcattgaac tctgctgctt atttgcagca 540
acaacaacta ctaccattca gccagctagc tgctgcctac ccccggaat ttctt 595

<210> 10745

<211> 283

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D6

<400> 10745

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gttgctacca ttctaccac aggatgtggc aaacaatgtc gccttcttac aacaacaaca 120
attgctgcca tttaaccaac ttgctttgac gaatcctacc accttattgc ancancctc 180
gggtttgggg ggcattctct anattttttt atgctttata ctgtaataat aaagtctca 240
tactgatatg tgcaacttct cagtaataaa agattagaga tct 283

<210> 10746

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D7

<400> 10746

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gcccgcctcg ctgtctccgc tgggcgctgg tggatcatgg ccgcaggcgc tggagctcgg 180
gggttgtctg gtcgcgctgg cggcgtggc ggccgtggcg gccggagggg acatcgtgca 240
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gcagacctgg atcaacaaaa aagataaaga tgagtttgtt ggtgttggtg ctcgatttgg 360
ccccaagata gagtcaaagg aaaagcatgc caactggaca aacttgctgt tagcagaccc 420

ttctgattgc tgcacccctc caagagagaa ggttgctgga gatattttgt tagtggagag 480
 gggaaactgt aagttcacta caaaagctaa ggtggctgaa tctgctggtg cttctgcgat 540
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<210> 10747

<211> 560

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-D8

<400> 10747

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 aggttctgaa gcatttcgaa gacgatatat gattgatgta natagtgagt gctgtgggac 180
 gttnggacaa anctctctgt tcaattgttc aatggagaca caagccaggc agctttccgc 240
 atattgtctg actacaggaa aggcaaattt ggatgggtgg cgctggagag acctccaaca 300
 tgaacaagcg ggatatcata gatctttaga taaaagacat gtgcttggtc atgtagtadc 360
 acacaattta gtgtcgttca ttgcaccact ctgcacagtt ttcactggac ctgcacctat 420
 acgaggaatt aattcagaat agctgtccat ctgataatct aaagacaaaa cttagaagaat 480
 gccccctgt tcttagacag tccagagcaa acgagctgat ttgtatgac tattgaatga 540
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<210> 10748

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-E1

<400> 10748

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 cttcagcacc tacggcgagg tcttgtatc caatatcatc ct 162

<210> 10749
 <211> 624
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-E10

 <400> 10749

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tgaagcggcg cgatcaagga gtcttcgggc gctccggacg taacttgctg gcggttgctt  180
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ctttgctgga gaagttgaaa tcgatataac tcaaggggga aggacttccg cctgaccgtg  360
tcgttccaac agttgggctc aacattggcc gcatcgaaga cgcaaaggca aaacttgttt  420
tctgggatct aggtggtcag gttagcctac gaacaatctg ggagaaatac tatgaagagg  480
cccatgccat aatgtacgtt attgacgctg ccacagcacc gtcatttgaa gattccaaat  540
ctgctctgga gaaggttatt cgccatgaac atctgagagg agcaccactc ttgatagttg  600
caaacaaaca ggatttacct ggaa                                           624
  
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<210> 10750
 <211> 95
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-100-Q1-K6-E11

 <400> 10750

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<210> 10751
 <211> 67
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-100-Q1-K6-E12

<400> 10751

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ggaaaaa 67

<210> 10752

<211> 233

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E2

<400> 10752

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aagcacccgc tcctgctag tacaagggtg atatgttttt atctgtgtga tgttctnctg 120

tgttctatct tttttttag gccgtnagct atctgttatg gtaatgttgg gggggggggg 180

acctntaat tgnntantct gttgttttcc ttcaaaaaaa aaaaaaata tta 233

<210> 10753

<211> 162

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E3

<400> 10753

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ttattgctcc gatgatctcc aacagactga tctgcagatc acgcatgtaa ccaggtgctg 120

atcattgtcg aatgtcgta cttttatctt cntctccac ct 162

<210> 10754

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-E4

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 cggtcggggc tgaggggcgc agcccgtgcg gcgctcgc 578

<210> 10755
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-100-Q1-K6-E5
 <400> 10755

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 tcacttgctc ctagttccat tattccacag ttccctccac cagttacttc aatggggctt 180
 gaacgggcac tgtgcaagcc tataggctac aacaagcgat tgcggcgagc gtcttacaac 240
 aaccaattgc ccaattgcaa caacaatcct tggcacatct aacaatacaa accatcgcaa 300
 cgcaacagca acaacagttc ctaccagcac tgagccacct agccatgggtg aaccctgtcg 360
 cctacttgca acagcagctg cttgcatcca acccacttgc tctagcaaac gtagttgcaa 420
 accagcaaca acaacaactg caacagtttc tgccagcgct tagtcaacta gccatgggtga 480
 accctgcgcg ctacctacaa cagcaacaac tgctttcatc tagcccgtc gctgtggcca 540
 atgcacctac atacctgcaa caagaattgt tgcaacagat tgtaccagc 589

<210> 10756
 <211> 591
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-E7

<400> 10756

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cccggtcgac ccagcgttct ttgggtcgatc tgctaacaca aacagggggg aggtgctcct 60
cactagctag ctttctctat ttttgctact gagagtgtcc aagtctgcga cgacgtccga 120
gatgtcgacg gtgagccgtg catcccttga ccagaagctt gccctcgcca agcgtgctc 180
ccgaggtacg aggaacaggg tgtgggtgca gacactcgcc gatcgacatt caggcagcca 240
ataagccgcg cggccttaat taattaaagc tcgaaatgac taacgctatg tatgtatgtg 300
tgtgtgtgtg tgtctgcaga ggcgactctt gccggagcta aggcggcagc agtggcgact 360
atcgctccg cgattccac cctcgcgagc gtgcggtatgc tgccgtgggc caaggccaac 420
atcaaccca ccggccaggc gtcctatgct tccacgggtg ccgggatggc ctacttcac 480
gccgccgaca agaagatcct gtcgctggcg aggcgccact cgttcgagga agctccggag 540
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<210> 10757
 <211> 499
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-E9

<400> 10757

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gcacctacgt acctacaaca acagttgctg caacaaattg taccagctct nactcagtgg 180
tctgtnnngg aacctnctn cctacttaca acagttgctt ccattcaacc aactggctgt 240
gtcaaactct gctgcgtacc tacaacagcg acaacagtta cttaatccat tggcagtggc 300
taaccattg gtcgctacct tcctgcagca gcaacaacaa ttgctgccat acaaccagtt 360
ctctttgatg aacctgcct tgcagcaacc catcggttga ggtgccatct tttagattac 420
atatgagatg tactcgacaa tgggtgccctc ataccgacat gtgtttccta gaaataatca 480

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atatattgat tgagattta

499

<210> 10758

<211> 550

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F1

<400> 10758

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tctaactcca aaaaccatga agctgggtgct tgtgggttctt gcttttcattg ctttagtattc 120
aagtgtttct tgtacacaga caggcggctg cagctgtggt caacaacaaa tccgtggggg 180
ggggggggcgt ccacaacaac atcatccaca aaaacaacaa catcaaccac caccacaaca 240
tcaccagcag cagcaacacc aacaacaaca agttcacatg caaccacaaa aacatcagca 300
acaacaagaa gttcatgttc aacaacaaca acaacaaccg cggcaccacc accaacatca 360
acaacaactg caccaacatc aacatcaatg tgaaggccaa caacaacatc accaacaatc 420
acaagggcat gtgcaacaac acgaacagag ccttaagcaa caccaaggga cagagccgtg 480
agcaacaaca tcaacaacaa tttcagggtc atgacaagca gcaacaacca caacagcctc 540
agcaatatca 550

<210> 10759

<211> 594

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-F11

<400> 10759

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ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg ggcttcgaac 180
accagggggg gggagcctac aggtacaac aagcgcttgc ggcgagcgtc ttacaacaac 240
caattgcca attacaacaa caatccttgg cacatctaac catacaaacc atcgcaacgc 300
aacagcaaca acaatttcta ccagcactga gccaaactagc tgtggtgaac cctgtcgcct 360

acttgcaaca gcagttgctt gcatccaacc cacttgctct ggcaaacata gttgcatacc 420
aacaacaaca acaattgcaa cagtttctac cagcgctcag tcaactagcc atggtgaacc 480
ctgccccta cctacaacag caacaactga tttcatctag ccctctcgct gtggttaatg 540
cacctacata cctgcaacaa cagttgctgc aacagattgt accagctctg actc 594

<210> 10760

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10760

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tctaactcca aaaacatga agctgggtgct tgtgggttctt gctttcattg ctttagtattc 120
aagtgtttct tgtacacaga caggctgctg canctntnnn tcagcggcta agctctgggc 180
ancaacatca tccacaacaa catcatccac aaaaacaaca acatcaacca ccaccacaac 240
atcaccagca gcancaacac caacaacaac aagttcacat gcaaccacaa aaacatcanc 300
aacaacaaga agttcatgtt caacaacaac aacaacaacc gcagcaccac caccaacaac 360
aacaacaaca gcaccaacaa caacatcaat gtgaaggcca acaacaacat caccaacaat 420
cacaaggcca tgtgcaacaa cacgaacaga gccatgagca acaccaagga cagagccatg 480
agcaacaaca tcaacaacaa ttccagggtc atgacaagca gcaacaacca caacagcctc 540
agcaatatca gcagggccag gaaaaatcac aacaccaa 578

<210> 10761

<211> 227

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F2

<400> 10761

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cctggcgctc gctgcgagcg ccgcctccag tacaagcggc ggctgtggct gcgcgacacc 120

accgtttcat ctaccgcctt cgttctatat nccnccctccn ttctgtgggg gggggggggg 180
gcancncan cncnncaat accccactca accaccaaaa ataaacc 227

<210> 10762

<211> 567

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-F3

<400> 10762

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tatccctcct tgcgcttctt gcgctttttg cgagcgcaac aaatgcgtcc attattccac 120
aatgctcact tgctcctagt tccattattc cacagttcct cccaccagtt gggtgagggg 180
gcttcnaaca cccanctntn caagcctata ngctacaaca agcaattgcn gcnagcgtct 240
tacaacaacc aattgccc aa ttgcaacaac aatccttggc acatctaaca atacaaacca 300
tcgcaacgca acagcaacaa cagttcctac cagcaactgag ccacctagcc atggtgaacc 360
ctgtcgcta cttgcaacag cagctgcttg catccaaccc acttgctcta gcaaacgtag 420
ttgcaaacca gcaacaacaa caactgcaac agtttctgcc agcgcttagt caactagcca 480
tggtgaaccc tgccccctac ctacaacagc aacaactgct ttcattctaac ccgctcgctg 540
tggccaatgc acctacatac ctgcaac 567

<210> 10763

<211> 152

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-F4

<400> 10763

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gcaaaccctg ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca 120
ttgaactctg cttcttattt gcaacaacaa ca 152

<210> 10764

<211> 594
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-F6

<400> 10764

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aagctcctat agctgccctt cttcccccat accttccatc aatgaccgct ttagtatgtg 180
ggaagcaggc cttcaaccct acaggatcca gcaagcaatc gcaacaagca acttaccttt 240
atcacacctg ttctttcaac aatcgccagc cctatctttg gtgcagtcac tggtaaaaac 300
catcagggca gaacagttgc agcaactcgt gctaccagtg atcagccaag tagctctggc 360
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gaaccctgct gcttatttgc agcaacaaca actactacca ttcagccagc tagctactgc 480
ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga acccctctgc 540
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<210> 10765
 <211> 614
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-F8

<400> 10765

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tgaatccgtc atctccacct tcacctgtcc gcaactgtcag cgggaggttc catcttcaaa 180
cattgcattg cacaggggtc gcnggctcgg aaccttcaga atgcgaacat tgcggagatt 240
ggttgccagg aagcttatgg atgaacacta cgatgaaaac catgctccga tgaattgctc 300
actttgcaaa cacacagtag aacgcgagct atgggatctt catacaggca tacaatgcc 360
acaaaggatg ctgcggtgcc aatactgtca gtttgaactg cctgcagttg atctttttga 420

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acatcaggat ctgtgtggaa atcggacaga atattgtcaa agttgcagga agtatatcag 480
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 actttcaagt gacaggactc gagcagcagc agagcagcca gtaccaaagc cagccccgacc 600
 tgctactggt tcgc 614

<210> 10766
 <211> 122
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-G1
 <400> 10766

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 gg 122

<210> 10767
 <211> 608
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-100-Q1-K6-G10
 <400> 10767

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 acaagctect atagcttccc ttcttcccc atacctetca ccagcgatgt cttcagtatg 180
 tgaaaatcca attctggtga ccctacagga tccaacaggc aatcgcagca ggcattctac 240
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 ctgectactc tcagcaacag cagttacctt tgggtgcatth gttggcacia aacatcaggg 420
 cacaacaact acaacaactc gtgctagcaa accttgctgc ctactctcag caacaacagt 480
 ttctgccatt caaccaacta gctgcattga actctgctgc ttatttgcag caacaacaac 540
 tactaccatt cagccagcta gctgctgcct acccccggca atttcttcca ttcaaccaac 600

tggcagca

608

<210> 10768
<211> 122
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-G11

<400> 10768

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ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt tttttgtctg 120
ag 122

<210> 10769
<211> 519
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-G2

<400> 10769

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ccgcaatgct cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accancnntt 120
tctggggggg gtgggggggg caattcttca accctacang atccaacang caatcacaac 180
tgacatctta cttttatcac ccttnttcct ccaacaatca tcancctat tacaacantt 240
acctttntn catttattgg nncaaaacat taggggacaa caactacaac atctggggct 300
agcaaaccctt gctggctact tttagcaaca ggaggttggt ccattcaacc aactaggttc 360
attgaactgt ggttggttatt ttgaacaaca acaactacca ttcaggcagc tgcttggtgg 420
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taccaggagg acaactacta ccattcaacc agctagctg 519

<210> 10770
<211> 541
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-100-Q1-K6-G4

<400> 10770

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gcagaactgc ggctgtccat ccaaacctat cctncatctt gggttttgac tngggggacn 180
accnactant acttcnncna cnnatacaaa aaaaaaacca tacnctcnn ncnncnncn 240
cancantnnc ncnntngtt ctaacctngc tagcgctcgc accggctcct tcttcaacgg 300
catcaagagc caggccggga gcgggtgcga gggcaagaac ttctacacc ggagctcgtt 360
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gcgcgagatc gccgcctttt tcgcgcacgc cagcgacgag accgggcatt tctgctacat 480
cagcgagatc aacaagagca acgcctactg cgacccgacc aaaaagcagt ggcccgtgcc 540
c 541

<210> 10771

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G5

<400> 10771

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ncaccaacgn nncngcgggg gggggggggc caanncnca accnacang anccaacagg 120
caaacaaaaa aagcacccca ccnnnancac ccngggncn ccaacaagca ncagcccgan 180
gacagcagnn acccccgggg caggganggg cacaaaacan cagggcacia caacgacaac 240
aaccgggggc agcaaaccgn gcggccgacg ccagcaaca gcaggnncgg ccagncaacc 300
aaccagccgc agggaacccc gcggccnang ggcaacaaca acaaccacca ggcagccagc 360
cancggccgc ccacccccag ca 382

<210> 10772

<211> 589

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-G6

<400> 10772

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 atactgcaca cattaagctt gtgngtgaga atcggggtca acttcntgat aggggggggg 180
 ggccattgat gaagatgagg tgaagactgc tgcagcttat gtgctattct atagaagggt 240
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 ctggtacaag atgggaattt tgtatgagggt gagttgaagg agtaattgac tctttatgat 540
 aactgggtag cttcaacagg aacgccgggg cttgggtggca ttttgttcg 589

<210> 10773
 <211> 596
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-G7

<400> 10773

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 acaactagcg cttgcggcga gcgccttaca acaaccaatt gccaattgc aacaacaatc 180
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tgcaacaaat tgtaccagct ctgactcagc tagctgtggc aaaccctgct gcctacttac 540
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<210> 10774

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G8

<400> 10774

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aagctcacca tgatctcgcc ggagaggagc tcgtcacaga gccagcggtc ggcgggcg 180
ggggcgccgt tcctgtcgat ctccgtcacg gatcccgtaa agatgggtac cggcgtgcag 240
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tcacaccctg aactcaagca aagtgatgtc ttgaggacat ttttgcaagc agatgaagag 540
ataatggata gggcaagatc ttatgagact ggtattttta agaaaccggc agatttcata 600
c 601

<210> 10775

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-G9

<400> 10775

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ccggcgcccc cccgaccacc agatgggagg gggggggggn accccnacnc ggagnacccg 120
aggcagccaa aaagcaaccc gccggcgggc gcgcccacn acgccgggng ngggcagccg 180

agcgccangg nccagccgcn ccggcaacag ngcngccagc agcagaagag gaagaaggac 240
 gngcagnccg gcgcgcagca gcnngcagag aagaagcagc nngagcgn gcngccgccc 300
 agcagcagcc cggacgagcc agcncngag cagcagcagc agcag 345

<210> 10776

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H11

<400> 10776

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 gtgtagtagt ttaggagtta tgatttttcc aagtccagtc tcagaatctg tccaaattct 120
 gtacagggtt cgaaaattgg attgcttggc taagctaaac tgagaatcag cccttantaa 180
 ttatggggga gtggtagtag ttttcttaag ctttccaaca aattttggag cacccttttt 240
 ggtggtctag atatcaagtt acagctgttt gaactataga gtctgaattt gtccaaattt 300
 ggacagegaa gtctgtttgt agtaactgac tttgatatgt attgaattaa cctgagatgt 360
 ttataaatga attgtagaca attctattaa ctttctaaaa agtctaggat cacctgattt 420
 ggatttcgga aactccagtt ctggactttt gaagtaagta gtcgaattct gtccaaatct 480
 ggacataatt tatgttttagc gctgtttgac ctttgtaaag gtcgaatttt gttgtgatgg 540
 taatacaaaa gttatagagg actttataag ctttccaaaa agttctagtt tactattatt 600
 ggatacatat tttatga 617

<210> 10777

<211> 577

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H12

<400> 10777

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tcccgtagct tcaacgttat cgacgggggc ctgcgcgcaa acaatccgat cgtttggann 180
caggagnaca aggagtcccc cgagaccaag cccctggact accacaggta cctggtagtg 240
tcactaggca caggccttcc agagcaggac atcaagtctg acgcgtgccg tgtcgccaag 300
tggggcatct tcggatggct cggccgggag aacaccgtgc ccttgctgca gatgttcatg 360
cacgcgagct cagacatgac ggacagctac gtcgcgcgacc ttttcaaagc gatcgggtgc 420
tcggaccaac tgctgcgtgt tcaggaccgc aacataccca tagcggctgt ggcagctgac 480
ctctcgacgg agaagaatct gcgagggtg gttaagattg cagagaacct tctgcataag 540
ccactaggcg acgacgatta taagaccgac gactgcg 577

<210> 10778

<211> 577

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-100-Q1-K6-H2

<400> 10778

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gctctttcag catagcgtg gtacctaaac tattattcca caatgctcac aacattactc 120
tgctttccga gtgacagcac gcggacagtt caatacccac ctatacaata actacatgtg 180
gggagggggg ggtgcaaaca accatattac ggaccttagc cttaacccta gaacaaccat 240
atgctctatt gcaacatcca tacttaatgc atttgcatat ccaaagaaca aggcacaaca 300
actacaacaa cacatagtac caacaatcaa ttaagtaatc taagcaaacc ttactgttta 360
cettacatca acaacagatt ttttcattta ataaactatc tgtggtgaac cctgatatct 420
acttgcaggc ccaacacata ctacacatct aaccaacttg tctgaagcac taatgccttc 480
ttactgtaac aacatctttt caacatccca tattgaatct atgtcaaaca ttggtgtttg 540
ctagagacaa caacattccg ttgacattct acccaca 577

<210> 10779

<211> 509

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H6

<400> 10779

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gcagaggctcg ggccggtggc ggtggcggag gcgcggacgt gccattcgcg gtaccgacag 180
ggccggggcc cctgcctccg ccggtccaac tgcgccaacg tctgcaggac cgaggggttc 240
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ttcgctcgtc cgcccagcgg ccggtggcg tcgccgtcga tcgccgcgcg accagtccat 360
ggctccatgc atgaataaca aggggtgtgcg cggtttgtga tgccaaattg tatcctcctc 420
gtgtgttgaa gcgttcgac gtctgtctag tagtgtgctt ttgagcagcg gcgtgctgtt 480
gtacgtacgt ctgcctcttt tccatgttt 509

<210> 10780

<211> 505

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-100-Q1-K6-H7

<400> 10780

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atcaacccaa tagctctggc aaacctttct ccctactctc agcaacaaca atttcttcca 120
ttcaaccaac tntctactct gttccgcnnn cgggttatttn cancaacaac tattaccatt 180
caaccaaaaa aaaactgcct actctcanca acaacaactt cttccattta accaattgnc 240
cccactnaac ccnctnctt atttgcanca ccaaatacta ctaccattta nccanctacc 300
tncancaaac cgtgcttctt tcttgacaca tcaacagttg ctgcctttct accagcagtt 360
tgcggctaac cccgcaacc tcttacaact acaacaattg ttgccctttg tccaactttc 420
tttgacagac cgagcggcct cctaccaaca acacatcatt ggtggtgccc tcttttacat 480
tgctcatcac ttgtaattca ataataat 505

<210> 10781

<211> 516

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-H8

<400> 10781

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ccccctccgg ttcnnttcgt tgtggggagg gtctccaaaa aaaaaattcg tgggtgagcg 60
gatcgagagg cggcgtcgga tggtgagtag cgctgcttcg tcggcggcct cgcttgggcc 120
acggacgacc actccctcca caacgccttc agcacctacc ccnatttcg ggatgccgag 180
acatcctcna tcnnnaaacn cannagtcgc ncanattaca cttcatcacc ttctccacnn 240
gagaagcgat gcggaacgcc atcgagggca tgaacggcaa ggagctggac ggccgcaaca 300
tcaccgtcaa cgaggcccag tcccgcggcg gccgtggagg cggcggcggc ggcgggtact 360
gtggtggccg tggaggcggc ggctacggcg gtggcggggc ccgtgatggc ggcggcggct 420
actgcggtgg cggcggctac cgtggtggcc ggcggcgcta ccgtggtggt ggcggcggct 480
accgcggtgg caaccgtggc cgcggctacc gcaact 516

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<210> 10782
 <211> 325
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-100-Q1-K6-H9

<400> 10782

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cccaaaaaaa aaacatnnag gtgttgctcg ttgccctcnc tctcctggct ctcgctgcga 60
gcgccccctc cagcataca agcggcggct gcggctgcca gccaccttct tctttttctc 120
taccncccc tttttttttt ttgttnccg ggcacctncc ccttcnntn catctccac 180
caaaaaaaaa aaaaccccc ctttctctc tnccaccnnc nntccatttn cccccccn 240
ttcatcttcc ncnccaccc ttccactacc ctacttaacc ccccnncct canctcatc 300
cccanccaca ccattcccc tccca 325

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<210> 10783
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-A11

<400> 10783

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cctatagctg cccttctttc ttttaccttc catcaacccc tttttttttt tgtaaaacgc 120
anccctncaa ccctacannc tccaacaacc aataaaaaaca aacaacttac ctttatcacc 180
cctntttcttt caacaatcnc canccctatc tttnttccan tcattnttcc aaaccatcan 240
nncacaacan cttcttcttc ttttcttacc tntgggtcagc ctagtagctc tggcattttt 300
ttcttctctac tntcagcaac aacaattttc tccatttcaac caactgtcta cactgaaccc 360
tgctgcttat ttaccacccc aacatctact acctttcagc ccgctagcta ctggctactc 420
ttcacaacaa caa 433

<210> 10784
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-A2

<400> 10784

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tcaaccaact agcagcattg aactctgctg cttatttaca gcagcaacaa ctactaccat 120
tcagccagct agctgatgtg agccctgctg ccttcttgac acaacaacag ttgttgccgt 180
tctacctgca cgctatgctt aacgctggca ccctcttaca actgcaacaa ttgctgccat 240
tcaaccaact tgctttgaca aaccaacag tgttctacca acaaccatc attggtggtg 300
ccctctttta gattgcttat gagttatagt tcaataatga agtttttttg atgatgtttg 360
tggcgtecca gaaataagaa agtacatttc ta 392

<210> 10785
<211> 259
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-A5

<400> 10785

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tgcttattag ttgtaattca ataataaagt tttttntttg tgggggaaaga aagggggaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaataaaaaa 259

<210> 10786

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-A7

<400> 10786

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gaccattttc ccgcaatgct cgcaagctcc tatagettcc cttcttcccc ctttctcttc 120

accancntnt ctttgttttg gaaaggccat tcttcaacc tacanatcca acangcaatc 180

acagctggca tcttaccttt atcacccttg ttctccaac aatcatcanc cctattacat 240

canttacctt tgggtgcattt attggcacia aacatcaggg cacaacaact acaacaactt 300

gtgctagcaa accttgctgc cttctctcag caacagcagt ttcttccatt caaccaacta 360

gctgcattga actctgcttc ttatttgcaa caacaacaac taccattcag ccagctacct 420

gctgcctacc cccagcaatt tcttccattc aaccaactgg cagcattgaa ctctcctgct 480

tatttacage agcaaccact actaccattc aaccogcttg ctggtgtgag ccc 533

<210> 10787

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-B1

<400> 10787

ggcagccaaa atattttgcc tccttatgct ccttgggtatt tctgcaagtg ctgctacggc 60

gaccattttc ccgcaatgct cacaagctcc tatagettcc cttcttcccc cgtacctctc 120

accagcgggtg tcttcggtat gtgaaaaccc aattcttcaa ccctacagga tccaacaggc 180
 ggtagcagct ggcatcttac ctttatcacc cttggctctc caacaatcat cagccctatt 240
 acagcagtta cctttgggtgc atttattggc aaaaaacatg agggcacaac aacttcaaca 300
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<210> 10788

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B10

<400> 10788

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 ggcagccaaa atttttgctt ctttatgctc cttggctctt ctgcagtgt gctaccgaac 120
 cattttccca catgctcaca agctctatac tcctttttcc ccctccttac cacggtggtg 180
 ggggtgtgaa aacccaattc ttcaacccta caggatccaa caggcaatcg cagcaggcat 240
 cttaccttta tcacccttgt tcctccaaca accgtcagcc ctattacagc agttaccttt 300
 ggtgcatttg ttggcacaaa acatcaaggc acaacaacta caacaacttg tgctaggaaa 360
 ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactgg ctgcattgaa 420
 ctctgctgct tatttgcaac aacaactacc attcagtcag ctagctgctg cctaccccca 480
 gcaatttctt ccattcaacc aactggcagc attgaactct gctgcttatt tacaacagca 540
 acagctacca ccattcagcc agctagctga tgtgagccct gttgccttct tgacacaaca 600
 a 601

<210> 10789

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B11

<400> 10789

aactagcaac atagnaaagc gcgggggggg gccacaatg gcagccaaaa attgggcgtc 60

cttatgctcc ttggtctttc tgcaagtgt gctacggcga ccattttccc gcaatgctcg 120
 caagctccta tagcttccct ttttcccccg tacctctcac cancggtgtc ggtggttggt 180
 tgggaaaccc aattcttcaa ccctacagga tccaacaggc aatcgcagct ggcattctac 240
 ctttatcacc cttgttcttc caacaatcat cagccctatt acaacagtta cttttggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagttttcttc cattcaacca actaggttca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgac tacccccagc 480
 aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg acacaaccac 600

<210> 10790

<211> 468

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B12

<400> 10790

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 tctaagcgca tcctcaagga gctgaaggac ctgcatatag accccccac atcatccatt 120
 gctgtttctg ctagggggna catntttcat tnncaacaa caattatggg accacctaac 180
 antccctatg ctgggtggtg tttcttagtg aacattcatt tcccgccaga ttacccttc 240
 aaacctccaa aggtttcttt caagacaaag gtcttccatc ctaatatcaa cagcaatgga 300
 agtatatgcc ttgacattct caaagagcag tggagccctg ctttgacaat ttctaaggct 360
 ctgctctcca tctgctccct gctgaccgac cccaaccggg acgaccctct tgtcccgag 420
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<210> 10791

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B4

<400> 10791

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aattatctaa ctccaaaaac catgaagctg gtgcttgtgg ttcttgcttt cattgcttta 120
gtatcaagtg tttcttgtac acagacaggc ngctncanct tttttgggga tcgaaggggg 180
nancancaac atcatccaca acaacatcat ccacaaaaac aacaacatca accaccacca 240
caacatcacc agcagcagca acaccaacaa caacaagttc acatgcaacc aaaaaacat 300
cagcaacaac aagaagttca tggttcaaaa caacaacaac aaccgcagca ccaccaccaa 360
caacaacaac aacagcacca acaacaacat caatgtgaag gccacaaca acatcaccaa 420
caatcacaag gccatgtgca acaacacgaa cagagccatg agcaacacca aggacagagc 480
catgagcaac aacatcaaca acaattccag ggcatgaca agcagcaaca accacaacaa 540
cctcagcaat atcagcaggg ccaggaaaaa tcac 574

<210> 10792

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B5

<400> 10792

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agactcaagt gatgagagca accgtgaata tgaaagcggg tctgaagaag aacgtacaaa 120
gaaggggggt gcgggcggga anaaagcatc acagacactc ttcaatgtca gactctgaag 180
acaacagtga tgaggatgag cggagatctg ccaaggacca ttctcagccc cgcagacgcc 240
accatcagtc ttctgatgat ggctcggaca aggtcaggtt gagacatggg aagcgtctga 300
gatcaagtga cgagaatgct cggccagatt ccaacagcca taagcatctc aggagccaat 360
ccttgaggga gtcacagat gatagagatg atgatggacc agagaagata agaaatggca 420
aaaggatatca caagaatcat caccgtcacc accaccatca tcgtcaccat cggcaccacc 480
atgaaagaca taataactca gcagaacctc atgacaggag gcaagtactg a 531

<210> 10793

<211> 589
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-101-Q1-K6-B6

 <400> 10793

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 cactggtgca actatggtgt ctacttttgc ggacatggaa ggtgaagaaa cattcgattc 120
 atcattcctt ggccatgctg atgaagtgtt ggaggaaaga attgctgacg atgatgttat 180
 tgggttgagg gcgcaaagaa caccagcgcg gtctctataa tacttagggg cgcaaatgaic 240
 tacatgcttg atgagattga acggtccttg catgatgcc tgtgcattgt gaagagaacc 300
 ctggaatcaa atatggttgt tgctgggggt ggtgcagttg aagctgcgct gtcagtttat 360
 ctggagaacc ttgcaacaac cctgggttct cggaacaat tggcaattgc tgaatttgct 420
 gagtctttgt taatcatacc aaagggtacta tctgttaatg ctgcaaaaga tgcaactgag 480
 cttgtagcaa agcttagggc atatcatcat actgctcaaa caaaggccga caagcaacat 540
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<210> 10794
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-B7

 <400> 10794

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 atgctgtaaa ggcttctgct tcggctgttt ctgctattgc caaaacaaac caacaactgc 120
 tttcttcaan agatnaanaa aatatggttc tttgtacntn gggcacaanc tctanattcc 180
 caaccaann anttaaaatc ctagaccat tcaatcnntc ataccannga acccataaat 240
 attaccanng atnatangtt ttctcaatac ccccaactgg aagaccatgc cctactgtt 300
 ataaggaatg gggcaattaa cagttcatgg agagcctctc atcaaactaa catgtatggt 360
 gcgtaaatg gcgactttgg tcccgtgagg tcttcatttg cccagcacc tgctgaacct 420
 acagctggat ctttttcaac at 442

<210> 10795

<211> 327

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-B9

<400> 10795

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accaannncc caggngcaac aacaanccnn ggacancna acaanacaaa ccancgcaac 120
gcaacagcaa caacaanncc naccagcacg gagccaccna gccangggga acccngccgc 180
cnacccgcaa cagcaggngc nngcancaaa cccacnngcn cnggcaaacg nagnngcaaa 240
ccagccacaa caacagcngc aacagnnncn gccagcgcnc agncaacnag ccaaggngaa 300
cccngccgcc naccnacaac agcaaca 327

<210> 10796

<211> 542

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-C1

<400> 10796

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ctggcaaacc tttctcccta ctctcagcaa caacaatttc ttccattcaa ccaactgtct 120
aactgaacc ctgctgctta tttgcagcaa caactattac cattcagcca gctagctact 180
ggctactctc agcaacaaca actttctcca ttttaaccaat tggcgcgact gaaccccgct 240
gcttatttgc agcagcaaat actactacca tttagccagc tagctgcagc aaaccgtgct 300
tcctttctga cacagcaaca gttgctgcct ttctaccagc agtttgcggc taaccccgca 360
acctctttac aactacaaca attgttgccc tttgtccaac ttgctttgac agaccgagcg 420
ggctectacc aacaacacat cattgggtggc gccctctttt agattgctta ttagttgtaa 480
ttcaataata aagttttttg ggatgatgta tgtggccaac ccggataaaa aacatccacc 540
ct 542

<210> 10797
 <211> 589
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C10

 <400> 10797

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ctatactccc ttcttccctt accctcacca cgtgtgttgg tgggtgaaaa cccaattctt 180
caaccctata ngatccaaca ggcaatcgca gctggcatct tacctttatc acccttgtnt 240
cctccaacaa tcatcagccc tattacagca gntacatttg gtgcatttat tggcacaaaa 300
catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
acaacagttt cttccattca accaactagc tgcattgaac tctgcttctt atttgcaaca 420
acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc ttccattcaa 480
ccaactgaca gctttgaact ctctgctta tttacagcag caacaactac taccattcag 540
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<210> 10798
 <211> 291
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C11

 <400> 10798

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gcgaacggct tttttttttt tttttttatg aatttttttt ggggtggggga attttttaaa 60
ataagtttgg gggttccan aataagaaat acatttctag attcttataa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa attttttaaa aaaaaaaaaa 180
aaaaattttt gtttttgaaa agggaaaaaa naaaaaaaa aaaaaaaaaa annnnnaaaa 240
aaaaaaaaaa acaccccacc aacccccccc acccnccac nccccccaca c 291
  
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<210> 10799

<211> 619
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C12

 <400> 10799

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agaagaagac tgcagaatct ctctttcaac actctaccat gttcttgtaa caacttgctg 120
ggtgatggct ccatttacac cattctttac tgaagttctt tatcaaaatt tgcggaaggt 180
gtcaagtaat tctgaggaga gcatccactt ttgcaagttc cttccacaa ctggcgagag 240
agatgagcgt gttgagcaaa gtgtaaagag gatggtgacc ataattgatc ttgcacgtaa 300
tattcgtgag cggcataaca aagctctcaa aacaccactc aaggaaatgg tggttgtgca 360
tccagacaat gacttccttg aagacatcac tggcaaacta aaggagtatg tcatggagga 420
aatcaatgtt aagaatgtca ctccatgtaa tgacccttg atgtatgctt ctctgcgagc 480
cgagcctaat ttcagcgtgc taggaaaaag acttggaataa gacatgggaa aagtatcaaa 540
tgtgggtgaag aagatgactc angagcagat cttagcattt gaaaaaagtg gagaggtttc 600
attcttcggc cattgcttg
619
  
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<210> 10800
 <211> 594
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-C2

 <400> 10800

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gacaccagcg tcgtgtccga gatcaagatg ggagacgggt acgagacggt caggttcttc 180
cactgctaca agcgcggagt ggaccgcgtg ttcgttgacc acccactgtt cctggagagg 240
gtttggggaa agaccgagga gaagatctac gggcctgtcg ctggaacgga ctacagggac 300
aaccagctgc ggttcagcct gctatgccag gcagcacttg aagctccaag gatcctgagc 360
  
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ctcaacaaca acccatactt ctccggacca tacggggagg acgtcgtgtt cgtctgcaac 420
gactggcaca ccggcccttt cttgtgttac ctcaagagca actaccagtc ccacggaatt 480
tacagggaac gcaaagaccg gttttctgcat ccacaacatc tccctaccag ggccgggttc 540
gcctttctcc gactaccgga aactgaacct cccggagaga ttcaagtcgt cctt 594

<210> 10801

<211> 573

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C3

<400> 10801

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caattgcgcc aattgcgaac aaccatatcc ttgccacatt ctaacaatac aangccattc 120
acaacgcaac atgcaacaac cagttcctac cagcagctgg ggggggcgta ggccatgnng 180
tgaacccttg ccgccttact ttgcaaggag cagcgttgct tgcattccaa acccactttg 240
gcgtctgtgc gaacgtatgt tgctaaacca gtcaacaaca acatgctaca acagtttcnt 300
gccaacgctc agtgcaacta gccatgggtg aaccctgctc ggctacgtac aacaacaaca 360
actggtttga tgtagccgc tcgctgtggg ctatgcacct acatacctgc aacaacaatg 420
gttgcagcag attgtaccag ttttgactca actaggtgtg gcaaaccctg ttggctactt 480
gcaacagttg tttccattca accaactgac tctttogaac tctgctgcgt acctacaaca 540
gggacaacag ttacttaatc cattggtagt ggc 573

<210> 10802

<211> 592

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C5

<400> 10802

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cgagaaggtc attttggagg agcagctgca gctgaagaaa tacattcagg gggggctgtg 180
 ggggattcnt natntanaaa aggagttaga gagtcttact ttagaaatga aactgacatc 240
 tggaccaaag aaagcagcac tagagcatct gaggaagaag attgaaatat caacagagaa 300
 aatacgttta gctaagggtga aagaggaaca tgcaaaaaag acttgggaag ttgctgcaca 360
 agttgttaaa gacgaagagg atgctaagca gaaattatgt gatgacctaa accatctagt 420
 ccaggagagt gctgcttccc aatatgcaag attggaggag ctgaagaaac gtttagaatc 480
 tctaaatccc ataagggtt ctgttaatgt gtcagggtgt tatactgcac agcatgctac 540
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<210> 10803

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C8

<400> 10803

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 gggggcgtgg canctggtga ggcgcttctt ggccgcctcc gagccggccg tgtccgtgca 240
 gctcgtogac cacggtcacc tcgcctactc ccacaccaac caggcgcttc ttcgtgccag 300
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<210> 10804

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-C9

<400> 10804

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 ccctatagct ccaacaagca atcgccgcaa gcaacatacc tttatcacc ttgtttcaac 240
 aatcgccagc cctatctttg gtgcagtcac ttgtacaaaa ccatcaaggc gcatcaggtg 300
 cagcaactat tgctacctgt gacaaaacca atagctcttg gcaaaccgtt gtcctacta 360
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 tatatggcag t 431

<210> 10805

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D1

<400> 10805

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 gaattcctgc aaaggcatga tcttgatctt atttgtcgtg ctcacatcaagt tgtcgagggt 180
 ggggtatgaat tctttgctga cagacagctt gtcaccatat tctcggtccc caattattgt 240
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<210> 10806

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D11

<400> 10806

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 tcaataactca caagctccta tagctgccct tcttccccca taccttccat caatggccgg 180
 ggcagtttgt gaaaaccag cccttcaacc ctacaggctc caacaagcaa tgcgaacaag 240
 caacttacct ttatcaccct tgttctttca acaatcgcca gccctatctt tgggtgcagtc 300
 attggtacaa accatcaggg cacaacagct gcaacaactc gtgctaccag tgatcagcca 360

agtagctctg gcaaaccttt ctccctaactc tcagcaacaa caattttcttc cattcaacca 420
 actgtctaca ctgaaccctg ctgcttatttt acaacaacaa caactactac cattcagcca 480
 gctagctact gcctactctc agcagcaaca attttcttcca ttttaaccaat tggccgcact 540
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 aagc 604

<210> 10807
 <211> 176
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D2

<400> 10807

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 tctcgtcgtg tgccctggctc tgacagctgc cagcgccctct gcaatgcaga tgccctgccc 120
 ctgcgcgggg ctgcagggtc tgtacggcgc tggcaccagc ctggcggcga tgatgg 176

<210> 10808
 <211> 450
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-D3

<400> 10808

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 catatggctg tggctgacaa atggattgac cttctcaagc aaagtgatga aacttggaag 180
 atgggtgata ttgtgcacac actgacaaat aggaggtggt tagagaagtg tgtaacttat 240
 gctgaaagtc atgatcaagc attagtcggc gacaagacta ttgcgttttg gttgatggac 300
 aaggatatgt atgatttcat ggcctcgtat agaccttcaa ctctaccat tgatcgtggg 360
 atagcattac ataaggagat tagacttatc acaatgggtt ttaggagggg gagggctatc 420
 ttaatttaat gggaaatgag tttggaacat 450

<210> 10809
 <211> 605
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D5

<400> 10809

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gcggtgtgg ctgccagaca ccaccgtttc atctaccgcc tccgttctat atgccgcctc 180
cgttctatct gccgcgcgca gcagcagccg cagccatggc aataccccac tcaaccaccg 240
cagctaagcc cgtgccagca gttcggatcc tgcggcgctg gcagcgtcgg cagcccgttc 300
ctggggccagt gcgtcgagtt cctgaggcac cagtgcagcc cggcggcgac gccctacggc 360
tcgccacagt gccaggcgct gcagcagcag tgctgccacc agatcaggca ggtggagccg 420
ctgcaccggt accaggcgac atacggtgtg gtctgcagc ccttcctgca gcagcagccg 480
cagggcgagc tcgcggcgct gatggcggcc caggtagcgc agcagctgac ggcatgtgc 540
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tactg 605
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<210> 10810
 <211> 586
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D6

<400> 10810

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taagatcttg tgagggtgat gggattgaca ggttngnaaa aattaagtat tgggggcaga 180
aagcaggaga aagctttgag aaataggcgc tttggtggta gagttgctgc aactacacaa 240
tgtattotta cctcagatgc ttgtcctgaa actcttcatt ctcaaacaca gtcctctagg 300
aaaaattatg ctgatgcaaa ccgtgtatct gctatcattt tgggaggagg cactggatct 360
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cagctctttc ctctgacaag cacaagagct acgctgctg tacctgttgg aggatgttac 420
 aggcttattg atatccctat gagtaactgc ttcaacagtg gtataaataa gatatttgtg 480
 atgagtcagt tcaattctac ttcgcttaac cgccatattc atcgtacata ccttgaaggc 540
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<210> 10811

<211> 499

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D7

<400> 10811

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 ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa ccaactggca 180
 gcattgaact ctctgctta tttacagcag caacaactac taccattcag ccagctagct 240
 ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt tgccgttcta ccagcacgct 300
 gcgcctaacg ctggcaccct cttacaactg caacaattgc tgccattcaa ccaacttgct 360
 ttgacaaacc cagcagcgtt ctaccaacaa cccatcattg gtgggtgccct ctttttagatt 420
 tcttatgagt tatagttcaa taataaagt ttttgtctga tgtttgtggc ttcccagaaa 480
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<210> 10812

<211> 271

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-D8

<400> 10812

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 tgcggctaac cccgcaaccc tcttacaact acaacaattg ttgccctttg tccaacttgc 120
 tttgacaaac ccagcagcct cctaccaaca acacatcatt ggtgggtgcc tcttttagag 180
 ggaggggggg gtgtaattca ataataaagt tttttggatg atgtatgtgg ccaaccagaa 240

ataagaagtt acatttccag attctaattgt g

271

<210> 10813

<211> 570

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-D9

<400> 10813

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ctgctatgcc aggcagcact tgaagctcca aggatcctga gcctcaacaa caaccatac 180

tggtgctggac catacgggga ggacgtcgtg ttcgtctgca acgactggca caccggccct 240

ctctcgtgct acctcaagag caactaccag tcccacggca tctacaggga cgcaaagacc 300

gctttctgca tccacaacat ctctaccag ggccgggttcg ctttctccga ctaccggag 360

ctgaacctcc cggagagatt caagtcgtcc ttcgatttca tcgacggcta cgagaagccc 420

gtggaaggcc ggaagatcaa ctggatgaag gccgggatcc tcaaggccga cagggtcctc 480

accgtcagcc cctactacgc cgaagagctc atctccggta taccagggg ctgcgagctc 540

aacaacatat gcgcctcacc ggcattcaccg 570

<210> 10814

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-E1

<400> 10814

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cctcccgcag ccgccgcaca gatggcacc aaggcggaga agaagccggc ggccaagaag 120

cccgcggagg aggagccgc gacagagaag gtggagaagg ctccggcggg gaagaagccc 180

aaggccgaga agcgctccc ggccggcaag tccaaggagg gcggcgaggg caagaagggg 240

aaaaagaagg cgaagaagtc cgtggagacc tacaagatct acatcttcaa ggtgctcgaa 300

gcagggtgcac cccttcatcg gcatctcttc caaggccatt tccatcatca actgcttcat 360
 caacgacatt ttctgtaagc tggcggggcga gtgcgtcaag ctggctcgct tcaacaagta 420
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<210> 10815

<211> 512

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-E10

<400> 10815

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 ggcggctgcc cccggcggtt tctggaggag gatgagcgtg agcagcgtgc tctcaccgc 180
 tttgttgtag tggcggccgg agggggaggc gacactgcac gagcgcgacg ccggcgagga 240
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 gagcgtgccg ccgaatcgaa gcgacctctc ctctaaacag ccgtcctgta tatcttctcc 420
 gtgtatcaaa atccaccctt ttgctttaga tttttgtaca tttgtaatcg tcacatccgc 480
 tcaaatatgt tatatatatt ttagtttgga gc 512

<210> 10816

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-E2

<400> 10816

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 tcttgatgct gatgtgacag acagtgttat tggatgaagga tgtgttatta aaaactgcga 180
 gagaaaccat tctgtagttg gactccgac ttgcatatct gaaggtgcta tcatagagga 240

cagtttacta atgggtgctg actactatga gacagaagct gataaaaaac tccttgccga 300
 aaaaggtggc attcctattg gtattgggaa aaattatgca tcaggagagc aatcattgac 360
 aagaatgctc gaattggaga caatgttaag atactcaatg ctgacaatgt tcaagaagct 420
 gcaatggaga cagacgggta cttcatcaaa ggtggaattg tcacagtgat caaggatgct 480
 ttactcccta gtggaacagt tatatgaagt gaacgtgcca catgcagctg tgtgtctcga 540
 cattcgacaa tgatcagcac ctggttacat gcgatgatctg cagatcagtc tgt 593

<210> 10817

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-E4

<400> 10817

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 tgctggctac 610

<210> 10818

<211> 506

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-E5

<400> 10818

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 cgcactgatc tgccaaagtg gtggagctgt gacatgaaaa aggagctgga ggtggaggaa 180
 gggatcacgc acagcgtccc gttcgccgag atcaacaagg cgttcgacct gatggccaag 240
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 tctggcctgg gcttgggggt aataaaagag gcaatgctag cctgcccttt cgatgaggag 360
 gtacatacac gctggcgatg gaccgcgctt gtgtgtcgcg ttcagtttgg cttttgccaa 420
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<210> 10819
 <211> 129
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-K6-E6
 <400> 10819

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 ccgcaccaa 129

<210> 10820
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-E7
 <400> 10820

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 caatgtcac aagctcctat agcttccctt cttcccccat accttccatc aattataggt 180
 ggggggtgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
 aacatacctt tatcgccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca 300

ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctgt gatcaaccaa 360
 gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
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<210> 10821
 <211> 378
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-E8
 <400> 10821

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 ggccgcnggg ccctcttaca actacaacaa ttgggtgcctt ttgtccaact tgctttgaca 240
 gaccagcggt cctcctacca acaacacatc attgggtggg cctctcttta gattgcttat 300
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 gttacatttc cagattct 378

<210> 10822
 <211> 596
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-101-Q1-K6-F10
 <400> 10822

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 gctgcggctg ccagccaccg ccgcccgttc atctaccgac gccggtgcat ctgccacctg 180
 cggttcacct gccacctcgg gtgcatctcc caccgcccgt ccacctgccg ccgcccgttc 240
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agccgcatcc aagcccggtc cagctgcagg gaacctgcgg cgttggcagc accccgatcc 420
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 cgcctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag gtggagccgc 540
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<210> 10823

<211> 571

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F11

<400> 10823

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 gtactatctt ggccctgctc ctttgcagga tatggcaagg caaattgcta cagccaatgg 180
 ccctactggc tataataggg attacctggt ctcaatggag aaggcattag ccagcattag 240
 ccacgaagat gattcgatca tagagcttgc aaacgaggtg aggaaggtgc tcaacagaac 300
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 cctgtccgcy cttccagaag gcaccgttgt ggactcgaga tagcgagagc cttggacgtt 420
 ggacctctac tcggaatcta cttccagctc ttgcatgttt gtggccatca tgtactgatt 480
 ttcccttttc aacagttgtc gtgaggctgt atcttctgga gttaaaaaaa tgctaaaagc 540
 cggcactaat aatgatatta acttgaaaaa t 571

<210> 10824

<211> 286

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F2

<400> 10824

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 cctgggggcta ttgcaagagc aatgcttgca tccaaccac ttgctctggc gaacgtagtt 120

gcaaaccagc aacaacaaca gctacaacag tttctgccaa cgctcagtca actagccatg 180
 gtgaaccctg ccgcctacgt acaacagcgg gggggggggg ggatctagcc cgctcgctgt 240
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<210> 10825

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F3

<400> 10825

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 ccttcttccc ccgtacctct caccagcggg gtcttcgggt tgtgtgggcc gggggggcaa 180
 ccctacagga tccaacaggc aatcacagct ggcattctac ctttatcacc cttgttcttc 240
 caacaatcat cagccctatt acatcagtta cctttgggtgc attttttggc gcaaaacatt 300
 aggggacaac aactacaaca acttgctgctg gcgaaccttg ctgcctactc tnagcaacag 360
 gggtttgttg cattcaacca actagctgcy ttgaactctg cttgttattt gcgacagcaa 420
 caactaccat tcaggcagggt acctgctgtc taccocccagc atttctttca ttcaaccaac 480
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<210> 10826

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F5

<400> 10826

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 ctcacaacaa tacctctctc cggtgacagc cgcgagattt gaatacccaa ctatacgggg 180
 gggcaggcta caagaggcca tcgcagcaag catcttacgg tcgttagcat tgaccgtcca 240

acaaccatat gccctattgc aacaaccatc cttaatgaat ctatatctcc aaagaatcgc 300
 agcacaacaa ctacaacaac agttgcttcc aacaatcaat caagtagttg cagcgaacct 360
 tgctgcttac ctccagcaac aacaattttct tccattcaat caactagctg gggatgaaccc 420
 tgctgcttac ttgcaggcac aacagctact accattcaac caacttgtca ggagccctgc 480
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<210> 10827

<211> 596

<212> DNA

<213> Zea mays .

<223> Clone ID: LIB3061-101-Q1-K6-F6

<400> 10827

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 cccttttagat aatcagaagt cagaaccaga tatgatacta cacaagtcgt gccttatata 120
 cctggaatta ttactacat acacatacac atacactaca gtgaagcagc atgtacacat 180
 gagctgattc accgtctcca acacacgctg gggcgacaga caagtacgta cctatgcccc 240
 ccttattaac cacttacacg accccacaat acaattttca agctagtagt cctctggcgc 300
 gagcggctgg tgcgcgtggg gcacggcggc gtcggcggac gggataacca ggtactcgta 360
 caccagccct gcaagcccg gcccaggaa agggcccagc cagtacacc agtggtgcct 420
 ccaccgccac ccgacgagc cggggccgaa gaccgcgcc gggttcatcc ctgcgccgtc 480
 gaagggccct cccgccagca cgttggcgcc gagcaggaag cccacggcca gcggcgcgat 540
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<210> 10828

<211> 310

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-F7

<400> 10828

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 caaggtatt taatctccaa ctgcatcccc agatattcac caaattctgt gagactggga 120

actccgggat tggtttggat aaggtgttct gggaatggg aaccaatgcc caaacgggac 180
 cctttttttt tggggggggg gggcctcccc ccttccatct tcgcttatgg ttgcctaaga 240
 agacgatcgc tactctgact tgaagaagtt ggacaagcca tggcctgagg tgaactcgcg 300
 taaaccact 310

<210> 10829

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G1

<400> 10829

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 caatgtcac aagctcctat agcttccctt cttcccccac accttccatc aattatagct 180
 gcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc 240
 aacatacctt tatcgccctt gttgtttcaa caatcgccag ccctatcttt ggtgcagtca 300
 ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct gatcaaccaa 360
 gtagctctgg caaaccttcc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaacctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
 gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
 cccgctgctt atttcagca gcaaatacta ctaccattta gccagct 587

<210> 10830

<211> 610

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G10

<400> 10830

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 attataccac agttcctccg accagttact tcaatgggct tcgaacacct agctgtgcaa 120

gcctacaagc tacaacaagc gcttgccggc agcgtcttac aacaaccaat taaccaattg 180
caacaacaat ccttgccgca tctaaccata caaaccatcg caacacaaca gcaacaacag 240
ttcctaccag cactgagcca actagatgtg gtgaacctg tcgcctactt gcaacagcag 300
gtgcttgcac ccaaccact tgctctggca aacgtagctg cataccaaca acaacaacaa 360
ttgcaacagt ttctgccagc gctcagtcaa ctagccatgg tgaacctgc cgcctaccta 420
caacagcaac aactgctttc atctagccct ctcggtgtgg gtaatgcacc tacatacctg 480
caacaacaat tgctgcaaca gattgtacca gctctgactc agctagctgg ggcaaaccct 540
gctgcctact tgcaacagct gctttcattc aaccaactga ctgtgtcgaa ctctgctgcg 600
tacctacaac 610

<210> 10831
<211> 545
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-101-Q1-K6-G11
<400> 10831

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gcacagatca tgttcaagtc aaccaaggtt ctaccgggtga tggatgatggg agccttcctc 120
cctgggtctga ggcgcaagta cgcgttccaa gagtacgtgt cggccgtgat gctgggggtg 180
ggcctcctac tcttcacgct cgcggacgcg cagacgtcgc ccaacttcag catggccggc 240
gtggccatgg tgctccggggc gctcgtcatg gatgctttcc ttggcaacct gcaagaagca 300
atcttcaaga tgaaccggga cagactcag atggagatgc tgttctgctc cactgtcgtt 360
ggccttccgt tcttagcggg gcccatggtg ttaacaggag agctcgtgac ggcttggact 420
tctgtctccc agcatctgta cgtgtacgcg gtgctggtgt tggaggcgat ggccacgttc 480
gtcggccagg tctccgtgct ctctctcctc gcgcttttct gtgcagcaac cacatccatg 540
gtgac 545

<210> 10832
<211> 842
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-G12

<400> 10832

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ccccgggggg gggggcccg cgcacacaaa aacacagccc cgcccccccc ccccccccg 120
cccccccccc ccccccgcc cccccccccc ccccccgag cagccccccc cccccccccc 180
gccgcccccc cccgcccccc ccgccccccc cgccccccgc cccaccccc ncccccccn 240
cccccccccc cacaccccg gcccccgccc cgcgggggnc ncnnccccc cnncccccc 300
cccccccccc ccccccaag accacaccca caaaaagaac ccacccccac ccaccccgcc 360
cccccccccc cgaccccccc acgcgggccc ccgccccccc gccccgcccc cccccccccc 420
cccccccccc cccccgcacc cccgccccgc ggcgcccccc ccgccccccn cgccccgncc 480
gccccncag cccccgccc cccacgccc ccaccccccc cccccccacc cccccacccc 540
gcgccacccg cccccccccc accccccccg cccccccacc cccccccacc cccccacccc 600
ccacaccccg cagaccccc cccccccccc caaaccccc acgccccccc gacccccac 660
accgcacccc cccgcaaaga accccccccc ccaccccccc cccccccacc cccacgccc 720
cccccccccc cgcccccccc cccgcccccc cccccaccg cccccacccc cccccccccc 780
caccgcgccc ccacaccccc ccgcaccccc cccccccccc ccaccccccc ccaccccccc 840
cc 842

<210> 10833
<211> 508
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-G4

<400> 10833

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aacaacaaca attgcaacag tttctgcat cgctcagtca actagccatg gtgaaccctg 120
ccggctacct acaacatctt ctactgnttt catntanccc ttttgggttg ggggggggac 180
cttcttncct ncnnaacaa ttacttcaac aaataaaacc atctctcact cacctanctt 240

tttcaaacc tttctcctac tttcaacanc tnnttccatt ttttttactg actgtgtcga 300
actctgctgc gtgcctacaa cagcgacaac agttacttaa tccactagca gtgcctaacc 360
cattgatcac tgtcttccta cagcatcaac aattgctacc atacatccat ttctctttga 420
tgaacccttc cttgtcgtgg cagcaaccca tcttttgaat gtgccatctt ttagattaca 480
tatgagattt aatttataat ggtgccct 508

<210> 10834

<211> 489

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G5

<400> 10834

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tgcatccaac ccacttgctc tggcgaacgt agctgcatac cagcaacaac aacagctgca 120
acagtttatg ccagtgtcga gtcaactagc catggtgaac ccttccgtgg gggggggggg 180
gactttcatc tancccnctc ncnntgggca atgcacctac atacctacaa caacagttgc 240
tgcaacaaat tgtaccagct ctgactcagc tagctgtggc aaacccttct gcctacttac 300
aacagttgct tccattcaac caactggctg tgtcaaactc tgetgogtac ctacaacagc 360
gacaacagtt acttaatcca ttggcagtg ctaaccatt ggtegtacc ttctgcagc 420
agcaacaaca attgctgcca tacaaccagt tctctttgat gaaccctgcc ttgcaacaac 480
ccatcgttg 489

<210> 10835

<211> 592

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G6

<400> 10835

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tccttgggtct ttctgcaagt gctgctacgg cgaccatttt cccgcaatgc tgcgaagctc 120
ctatagcttc ccttttcccc ccgtacctct caccagcggg gtcttcggta tgtgaaaaac 180

ccaatgcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggtcc tccaacaatc atcagcccta ttacatcagt tacctttggt gcattttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct tgctgcctac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgctttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgctg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc ac 592

<210> 10836

<211> 579

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-G7

<400> 10836

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tccttgccct ccttgctctt tcagcaagtg ttgctaccgc gactattatt ccacaatgct 120
cacaacaata cctctctcca gtgatagccg cgagatttga ataccatct atacaagggg 180
acaggctaca agaggccatc acagcaagca tcttacggtc gttagcattg accgtccaac 240
aaccatatgc cctattgcaa caaccatcct tagtgaatct gtatctccaa agaatcacag 300
cacaacaact acaacaacgg ttgcttccaa caattaatca agtagttgca gcgaaccttg 360
ctgcttacct tcagcaacaa caatttcttc cattcaatca actagctggg gtgaaccctg 420
ctgcttactt gcaggcacia cagctactac cattcaacca acttgctggg agccctgctg 480
ccatcttatt gcagcaacag ttgctgccat tccgtctaca agttgttgca aacattgctg 540
ctttcttgca acaacaacaa ttgctgccat tttacccac 579

<210> 10837

<211> 156

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-G9

<400> 10837

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atgaagacat ggaagatggg cgggatctgg tagtaggatac ttctgatgat ttcaaaaagt 120
ctcgaatggg ttatctttct tcatatgatg attttg 156

<210> 10838

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H1

<400> 10838

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ccgccccggc ctcagcctca tccccagcca caccatgcc cgtgccaaca gccgcatcca 120
agcccggtgc agctgcaggg gaacctgcgg cgttggcagc acccgatcc tgggcccagt 180
cgtcgaggtc ctgagggggg gggggagccc gacggcgacg ccctactggt cgcctcagt 240
ccaggcgttg cggcagcagt gttgccagca gctcaggcag ggggagccgg agcaccggga 300
ccaggcgatc ttcg 314

<210> 10839

<211> 615

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-H11

<400> 10839

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aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc aacatacctt 120
tategccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca ttggtgcgga 180
gcgggggggc acaacagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg 240
caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa ctgtctacac 300
tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta gctactgcct 360
actctcagca acaacaactt cttccattta accaattggc cgcactgaac cccgctgctt 420

atttgcagca gcaaatacta ctgccattta gcgagctagc tgcagcaagt cgtgcttcct 480
tcttgacaca gcaacagttg ctgcctttct acaagcagtt tgcgggtaac cccgcaaccc 540
tcttacaact acaacaattg ttgccctttg tccaacttgc tttgacaaac ccagcagcct 600
cctaccaaca acaca 615

<210> 10840

<211> 531

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-101-Q1-K6-H3

<400> 10840

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tgcttcctta tgctccttgg tctttctgca agtgctgcta ccgcaaccat tttcccacaa 120
tgctcacaag ctctatagc ttcttttctt ccccatacc tctcaccagc ggtgtcttcg 180
aggggggaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agcaggcatc 240
ttacctttat caccctggtt cctgcaacaa ccgtgagccc tattacagca ggtacctttg 300
gggcatttgt tggcacaaaa catcaaggcc caacaccttc aacaaccggg gctatgaaac 360
cttgcttcct actctcagca acatgagttt cttccattca accaactggc tgcattgaac 420
tctactgctt attcggcaca acaactacca ttccagcacc tagttgctgc ctactcccca 480
gcaattcttt gcattcaacc aactgggaag cttcgaacct ctgctgcctt a 531

<210> 10841

<211> 623

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H4

<400> 10841

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atcaatgata gcttcagtat gtggaaaacc caattcttca accctatagg atccaacagg 120
caatcgcagc tggcatctta cctttatcac ccttgcttct ccaacaatca tcagccctat 180

tacagcagtt acctttgggg gggggggggg cacaaaacat cagggcacat caactacaac 240
aacttgtgct agcaaactt gctgcctact ctcagcaaca acagtttctt ccattcaacc 300
aactagctgc attgatactc tgcttcttat ttgcaacaac aacaactacc attcagccag 360
ctatctgctg cctaccccca gcaatttctt ccattcaacc aactgacagc tttgaactct 420
cctgcttatt tacagcagca acaactacta ccattcagcc agctagctgg tgtgagcctt 480
gctaccttct tgacacaacc acaattgggt gccgttctac cagcaacgct ggcctaacg 540
gctggcacc ttttacaact gcaacaattg gctgtcattc aaccaacttg ctttgacaaa 600
cccaacagct ttctaccaac aac 623

<210> 10842
<211> 515
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-101-Q1-K6-H6

<400> 10842

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aagcccaaag ctccaaagaa gctacagtaa taatgattcg cggtcagcaa agagtcgttt 120
acgcacccct gttaagggtc gcatacagct ggtggttaagc aaccanaga agactggggt 180
gtggtgcttt cttctgcaac tatgacttga gtgacatgcc tcctggaacc aagactttcg 240
tgcggaacaa gggtcactct tccccctctg cttgccttc taatccagtg gaagaaggaa 300
gcaagacttg tgatgttaat tctggtcaca aatcttctca gtcagtttca tgtggaaatg 360
aacctagcga acggggagct cgttctgaat gctgcaacgg tggacagaa tgcaactcaa 420
atgatgaatc agaaaaagga gatctgaaaa caagatgtcg atcattggat agtgattcta 480
atgaatcaaa taagtctagt tctccaggaa ataag 515

<210> 10843
<211> 607
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-101-Q1-K6-H7

<400> 10843

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 gattggtttg gataaggtgt tctgggaatg gggaaccaat gcccaaacgg gacccttggg 180
 gtttagtact ggaaccgccc cgcttccagg ttcgctgatg gttgccttga ggacgatcgc 240
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 acaacattcc tctgcaccga gatcagtaca ggggtgtgagt atgcatgcaa gacaatccca 480
 aagcgaaagc tcatcaccaa ggaggatggt gaggatgtgc gccgtgagat ccagataatg 540
 caccatttgt caggccacaa gaatgttggt tccatcaagg atgtatacga ggatgggcag 600
 gcggtgt 607

<210> 10844
 <211> 100
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-101-Q1-K6-H8
 <400> 10844

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 nnaacaacgn cgggacgggg aaaaccccg cggnacccaa 100

<210> 10845
 <211> 650
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A10
 <400> 10845

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 ctgggctttg acattgagca gatcatatcc aaacaagatc aagcggcctt actggcccat 120
 ttaaccaagg aatcatgcag ccataattga tgtgcaccat tgccaatccc gttgatgttt 180

tgcattggagc tattcacgag gcgtcaacaa tgaaccatta ttgatttgct cactgttatg 240
 ttctgttgctg gtgcaatcat gggatacatt atgttccactg aatctacact cccagttcac 300
 actgaactta cccctaaatc ttgtggcttc caagattgca gtctagacta cggatgatgaa 360
 tccaataacc aaatatcctt ggactttttat tgtagctttt tgtgtgcatt tgttccgata 420
 cttacaatt aacattatat gacaccatag tttctctaata cacatgtaac tccatctagc 480
 catctagggtt tgtcctaagt caaacatata ttttaatttt gattagaaat atctataaaa 540
 aaaattgtct taaataagca gagttatttg gtttttagtaa tgaatttagc aatgccaatg 600
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<210> 10846
 <211> 650
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A11

 <400> 10846

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 ccattttccc acaatgctca caagctccta tagcttccct tcttccccca tacctctcac 180
 cagcgggtgct ttcaatgtgt gaaaccccaa ttgttcaacc ctacaggatc caacaggcaa 240
 tcgcaacagg catcttacca ttatcaccct tgttcctcca acaaccgtca gccctattac 300
 agcagttacc tttggtccat ttggtggcac aaaacatcag ggcacaacaa ctacaacaac 360
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 tggtgtcatt gaactctgct gcttatttgc aacaacaatt accattcagc cagctagttg 480
 ctgectaccc ccagcaattt cttccattca accaactagc agcattgaac tctgctgctt 540
 atttacagca gcaacaacta ctaccattca gccagctage tgatgtgagc cctgctgcct 600
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<210> 10847
 <211> 617
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-A4
 <400> 10847

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 ttgctgcagga ggcggcgccg ttggcggagg cgcgcgtgtg ccggcgccgg agcgcgggct 180
 tcaaggggggt ctgcatgtcc gaccacaact gcgcgcaggt gtgcttgtag gagggtctacg 240
 gcggcgccgaa ctgcgacggc atcatgcgcc agtgcaagtg catcagggag tgctagetag 300
 ctaggctcta ggatctagca agctagctat atcggccttt aattaaatta ataaggatcg 360
 acgtcgtagc cggtcgctaa atatgtacta ctatacgtct acactacatg caataatgca 420
 ccacatgtac gcgtacgcgc gccgagctgt gtggacgccg cagctagcat gcacggccat 480
 cgttcctata cgtcgtcgtc tgtcgttcga gttctcatga gctgtgtcgt cgacgtccac 540
 ccatgcatcc ggccgccacg ctttgatgat ggtcatgaca tcttgacaat aaacacgtgc 600
 atgcagtatt atataca 617

<210> 10848
 <211> 654
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-A5
 <400> 10848

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 aatacctctc tccggtgaca gccgcgggat ttcaataccc aactatacaa tcctacatgg 180
 tacaagaggc catccaagca agcatcttac ggtcattagc attaacctc caacaaccat 240
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 acctccagca acaacagttt cttccattca atcaactagc tgggggtgaac cctgctatct 420
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tactgcaaca acagcttctg ccattccatc tgcaagctgt ggcaaacatt gttgctttct 540
 tgagacaaca acatttggtg ccattttacc cacaagttgt gggaaacatt aatgccttct 600
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<210> 10849
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-A6

<400> 10849

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 caacccatca ttggtggtgc cctcttttag attgcttatg agttatagtt caataatgaa 180
 gttttttgga tgatgtttgt ggcgtcccag aaataagaaa gtacatttct agat 234

<210> 10850
 <211> 649
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-A7

<400> 10850

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 cctttatcac ccttgttcct ccaacaaccg tcagccctat tacagcagtt acctttggtg 180
 catttggttg cacaaaacat caaggcacia caactacaac aacttgtgct aggaaacctt 240
 gctgcctact ctgagcaaca gcagtttctt ccattcaacc aactggctgc attgaactct 300
 gctgcttatt tgcaacaaca actaccattc agtcagctag ctgctgccta cccccagcaa 360
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 ttgctgcat tcaaccaact tgctttgaca aaccaacag cgttctacca acaacccatc 600

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649

<210> 10851

<211> 647

<212> DNA

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<223> Clone ID: LIB3061-114-Q6-K6-A8

<400> 10851

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cgcgaattga aaagctttca gaagtaaacc cgatgcttgg cttccgtggg tgcaggcttg 180
gtatatcgta ccctgaattg acagagatgc aagcccgggc catttttgaa gctgctatag 240
caatgaccaa ccagggtggt caagtgttcc cagagataat ggttcctctt gttggaacac 300
cacaggaact ggggcatcaa gtgactctta tccgccaagt tgctgagaaa gtgttcgcca 360
atgtgggcaa gactatcggg taaaaagttg gaacaatgat tgagatcccc agggcagctc 420
tggtggctga tgagatagcg gagcaggctg aattcttctc cttcggaacg aacgacctga 480
cgcagatgac ctttgggtac agcagggatg atgtggggaa gttcattccc gtctatcttg 540
ctcaggcat cctccaacat gaccccttcg aggtcctgga ccagagggga gtgggcgagc 600
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<210> 10852

<211> 327

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-A9

<400> 10852

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ctatgcctaa cgctggcacc ctcttacaac tgcaacaatt gctgccattc aaccaacttg 180
ctttgacaaa ctcaacagtg ttctaccaac aacccatcat tggtgggtgcc ctcttttaga 240
ttgcttatga gttatagttc aataatgaag ttttttggat gatgtttgtg gcgtcccaga 300

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327

<210> 10853

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B10

<400> 10853

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gcaaccacaa aaacatcagc aacaacaaga agttcatgtt caacaacaac aacaacaacc 180
gcagcaccac caccaatatt aacaacaaca gcaccaacaa caacatcaat gtgaaggcca 240
acaacaacat caccaacaat cacaaggcca tgtgcaacaa cacgaacaga gccatgagca 300
acaccaagga cagagccatg agcaacaaca tcaacaacaa ttccagggtc atgacaagca 360
gcaacaacca caacagcctc agcaatatca gcagggccag gaaaaatata acagcaacaa 420
tgtcattgcc aggagcagca acagactaca aggtgcagct ataactacta tagcagtagc 480
tcaaattctaa aaaattgtca tgaattccta aggcagcagt gcagcccttt ggtaatgcct 540
tttctccaat cacgtttgat acaaccaagt agctgccagg tattgcagca acaatgttgt 600
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<210> 10854

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B11

<400> 10854

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tgctcacaag ctcttatagc ttcccttctt cccccgtacc tctcaccaac ggtgtcttcg 180
gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240

ttacctttat cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg 300
 gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgcct actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
 tctgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactgaca gcattgaact ctcttgctta tttacagcag 540
 caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600
 ccacagttgt tgccgttcta ccagcacgct gcgcctaacg ctggcacccct c 651

<210> 10855
 <211> 631
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B12

<400> 10855

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 gcggcgagcg ccttacaaca accaattgcc caattgcaac aacaatcctt ggcgagcagta 180
 accctactaa ccattgcaac gcaacaacaa caacaacaac agtttctgcc atcactgagc 240
 cacctagccg tgggtgaacc tgtaacctac ttgcaacagc agctgcttgc atccaaccca 300
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 ccgctcgcg tgggcaatgc acctacgtac ctacaacaac agttgctgca acaaattgta 480
 ccagctctga ctcagctagc tgtggcaaac cctgctgctt acttacaaca gttgcttcca 540
 ttcaaccaac tggctgtgtc aaactctgct gcgtacctac aacagcgaca acagttactt 600
 aatccattgg cagtggctaa cccattggtc g 631

<210> 10856
 <211> 548
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-B2

<400> 10856

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gccgccggcc gncgggaccc ctacgacgac ctcatcgccc gccactctgg ctcgccgncg 300
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aactacccta tttcctgttc cagtttggca tggaagtata agttgtgtac ttctattctc 480
aagttgttgt ctttgtatta tgaaatgttt ccaataatca gcagtttttg atgtatggtc 540
gtggatcc 548

<210> 10857

<211> 83

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B3

<400> 10857

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agaaataaga aagtcatttc tag 83

<210> 10858

<211> 507

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B4

<400> 10858

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acgcagcgcc ttctctctcc atgggcatca gcacgccaat tggcagcatg atggaggctg 180

acgccgacga cgcgaaccc agtccgcctc ccgacgccga cttcttcaac gccttccccg 240
acgacttoga cgaccaagac ctcgactgat tgccgccgcc gcttctttgc tcgcccggac 300
cccttccgcc agttgggagt cgtatacgaa cctacctact tccaaggaag caccagtcac 360
ccatcacctt gtacatgttt ttatgttgca gcactagtgg tgtttaattg tcagctgcga 420
tcatgtgaga accgacctg ctacattatg tatataagaa gaataagaac ctgttaactt 480
atatggtata gtatgtaagt tcatggc 507

<210> 10859
<211> 658
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-B5
<400> 10859

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cgtggccgtc tgccaaggcg aggtcgagcg gcagaggctc agggacctgc agtgcctggca 180
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gctccaggac gtgagcccg agtgccgctg ccgcccatc cggagcatgg tcaggggcta 360
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gccgccgcag ggaggaggag gaggacaggg gggctactac taccctgca gccgggcagg 480
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cgcccgctg aggccttacga aggcccgga gtacgcccg gngttgccga tgatgtgccg 600
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<210> 10860
<211> 642
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-B6

<400> 10860

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caagctccta tagcttccct tcttcccccg tacctctcac cagcgggtgc ttcggtatgt 180
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gcctactctc agcaacagca gtttcttcca ttcaaccaac taggttcatt gaactctgct 420
tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta cccccagcaa 480
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ctactaccat tcagccagct agctggtgtg agccctgcta cttcttgac acaaccacag 600
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<210> 10861

<211> 181

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-B8

<400> 10861

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gcaatttacg tggacagggg gaacgataaa gaggttggtt ggagtggatn aggtgggtac 120
tggaatgtgt tgtcagcgac gggaccatgt agactgatgt ggtgtgggga ttgatggaat 180
t 181

<210> 10862

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-B9

<400> 10862

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ctggcatctt acctttatca cccttggtcc tccaacaatc atcagcccta ttacaacagt 180
tacctttggt gcattttattg gcacaaaaca tcagggcaca acaactacaa caacttgtgc 240
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cctacccccca gcaatttctt ccattcaacc aactagcagc attgaactct cctgcttatt 420
tacagcagca acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct 480
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<210> 10863

<211> 434

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C1

<400> 10863

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gggggggggg gggggggggn nngggggggg gggnggggnn gngggggggg nggggggggg 180
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<210> 10864

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<400> 10864

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gctcctatag cttcccttct tccccatac ctctcaccag cgatgtcttc agtatgtgaa 180
aatccaattc ttctacccta caggatccaa caggcaatcg cagcaggcat cttaccttta 240
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<210> 10865

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C11

<400> 10865

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caatgctcgc aagctcctat agcttccctt cttccccctg acctctcacc agcgggggtg 180
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ccccagcaat ttcttncatt caaccaacta gcagcattga actctcctgc ttatttacag 540
 cagnaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttnttgaca 600
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<210> 10866

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C12

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 aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
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 tgggcaatgc acctacatac ctgcaacaac aattggttga acagattgta ccagctctga 600
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<210> 10867

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C3

<400> 10867

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<210> 10868
 <211> 660
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-C4
 <400> 10868

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 gtgccctctg tatacatctc tatcggtccc atgtccaagg cactgcacca cccttttgtt 180
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<210> 10869
 <211> 576
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-C5

<400> 10869

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<210> 10870

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-C8

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ccagcaatgt atgttgctat ccaggctgtt ctttcgttgt acgctagtgg gcgaacaact 540
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638

<210> 10871

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-C9

<400> 10871

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attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 180

ctactctcag caacagcagt ttcttcatt caaccaacta gctgcattga actctgcttc 240

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actaccattc agccagctag ctgggtgtgag cctgtctacc ttcttgacac aaccacagtt 420

gttgccgttc taccagcacg ctgcccctaa cgtgggcacc ctcttacaac tgcaacaatt 480

gctgccattc aaccaacttg ctttgacaaa cccaacagca ttctaccaac aaccatcat 540

tgggtgggtgcc ctcttttaga tttcttatga gttatagttc aataataaag ttttttgtct 600

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<210> 10872

<211> 557

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D1

<400> 10872

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cggccgtccg cagcgcgtcg ctagcccggg cccggcccgc gccgctcgtc cacgggcgcg 180

cgcgcggggc gggtcgcgtc gtgggcgctg gcctcgcgc gcgcgcgccg cggagggcgc 240

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 gatttgtgct gaaaaggcag tgcacgttng ggcagagcgt ttgtcttgn ggngacgacc 480
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<210> 10873

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-D10

<400> 10873

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 cgaaacatga gccggcgggtg cagctgaact caggtgtcta ccccgacgga ccgccggtcc 480
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 acgacgtccc gggccactgg ctggtgatcg cggcgaagct tgtgaaggag ggaggaaga 600
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<210> 10874

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-D11

<400> 10874

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 gccaaagcctg tagtttgctc cagccaaacc gacgtggaag tgттаagggc atgagatgta 180
 tacatgtttg tatatggtat ttgggtcttg tatgctagtг ctctagagat aaacctttac 240
 ggatgcgctt tcaatctaga gtctttggca tcttgctcat gaccttaatg taatgattta 300
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<210> 10875

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D12

<400> 10875

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 ggcgcgaaat gaccagggcc gtcaacgacc tggcgaagaa gaagaagatg gcgacactgg 180
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 cagcggctga cccacaggcc gacacgaaga gcaagctggт gaagctggтg gtcatggтgt 300
 gcgaggggct gcggttcaac accgtgtccc gcacggтgga cgcggggttc aacagccagc 360
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 aggcggcctt cgagtgggtc gaccaccca ccgtgtgat ccccgacatg cagaagcttg 480
 gcatcaagga taagaacgaa gcagcgagga tcgttgcgct cgттаagaat caaactactg 540
 ccgtgccgc tactgtgcc agтgtgaca acgacgacga cgaggcctga tcaatgcaac 600
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<210> 10876

<211> 657

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D2

<400> 10876

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<210> 10877

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D3

<400> 10877

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcgggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcacagctg gcattcttacc 240
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ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
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646

<210> 10878

<211> 259

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D4

<400> 10878

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gggggggggg ggggtgattt ttttttttat gagagatggg attgtgtaga aagtaaagtt 120

ggagaagggt gtgggtgggt actttgatca gatgaatnta gaaattaagt tgtgggtggg 180

ttgaggttga tgtacatatg tggatatatat aataaattag tagattgttg ggaggagtat 240

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<210> 10879

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D5

<400> 10879

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caatgctcac aagctcctat agcttccctt ctcccccat acctctcacc agcgggtgtct 180

tcaatgtgtg aaaccccaat tgttcaaccc tacaggatcc aacaggcaat cgcaacaggc 240

atcttaccat tatcaccctt gttcctccaa caacogtcag ccctattaca gcagttacct 300

ttggtccatt tgggtggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360

aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420

aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgctacccc 480

cagcaatttc ttccattcaa ccaactagca gcattgaact ctgctgctta ttacagcag 540

caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgacacaa 600

caacagttgt tgccgttcta cctgcacgct atgctaacg ctngcacct cttacactgc 660
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<210> 10880

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D6

<400> 10880

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gttcgtt 607

<210> 10881

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D7

<400> 10881

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<210> 10882

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-D9

<400> 10882

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 tca 663

<210> 10883

<211> 659
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-E10

<400> 10883

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<210> 10884
 <211> 628
 <212> DNA
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<223> Clone ID: LIB3061-114-Q6-K6-E11

<400> 10884

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<211> 57
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 10885

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<210> 10886
<211> 325
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 10886

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<210> 10887
<211> 672
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 10887

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<210> 10888

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E4

<400> 10888

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<210> 10889

<211> 398

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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ggaggttttag gggggggagg agagaggag atagaaggaa agggggagga gaaggtttgt 300
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<210> 10890

<211> 214

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E6

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<210> 10891

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E7

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cagccagcta cctgctgcct acccccagca atttcttcca ttcaaccaac tagcagcatt 300
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aaaccagca gtgttctacc aacaacccat cattgggtggg gccctctttt agatttctta 540
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<210> 10892

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E8

<400> 10892

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tgaccgtgga gggaaggcca tccgaccagc tgggcaggag aaacctcact gacagccccg 180
tatttgacgg ccgtggccct gacgccagcc tcgtggctcg cgtacaggga gtcgctaccc 240
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ccacgctcgt caccgaaggc gcgatgacag aagggtcaga cgagtgggag atctacggtg 360
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gcggcgggaa ctccgacgag cttgccgtgg aggttctctg cccggtgttc cggccggcgg 480
cgtttggttc atcgctgtca cagccagcag caaaggacat cagctccacc gtcgtcgtca 540
ccaaggtcgg agtgtggggg ggagagggag ggtcggcgca ggacatcgcg acgacggagc 600

cgccgagggcg tctgcagagc ctgaccgtcc ggcgcggcgt tgc

643

<210> 10893

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-E9

<400> 10893

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tggcatctta cctttatcac ccttggtcct ccaacaatca tcagccctat tacaacagtt 180
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attgaactct gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc 360
ctacccccag caatttcttc cattcaacca actagcagca ttgaactctc ctgcttattt 420
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gacacaacca cagttgttgc cgttctacca gcacgttgcg cctaacgctg gcacctctt 540
acaactgcaa caattgctgc cattcaacca acttgctttg acaaaccag cagtgttcta 600
ccaacaaccc atcattgggtg gtgccctctt t 631

<210> 10894

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F1

<400> 10894

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aattgaggat gcagggggct ttgttatgtg ggctgggaca tggagagtgg gtggcgcttct 120
cgctgtctct cgagcatttg gtgataaact cttgaagccg tatgttggtg ctgacctga 180
aatcaaggag gaggtggctg acagctccct cgaattcctc atccttgcta gcgacggact 240

ctgggatgtt gtcactaatg aggaagctgt tgccatggtc aagcctatcc aggaccccc 300
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gaccaccaac gaccaacact cctagctgtc tcgtgtaggg atccatcgtg ctgtgtgttc 480
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actccccga ccgcccgttca tgctcctggc tggttggtc gctggccgnc tcgacgggaa 600
cgctgccgta gaatgacgac tggggctggt gttgttgta cagtatggtc ctt 653

<210> 10895
<211> 639
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-F11
<400> 10895

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tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag tatgtgaaaa 180
cccagctctt caaccctata ggctccaaca agcaatcgca gcaagcaaca tacctttatc 240
acccttgttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcaa 300
ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct 360
ttctccctac tatcagcaac aacaatttct tccattcaac caactatcta cactgaacct 420
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tcaacaacaa cttcttccat ttaaccaatt ggccgcactg aacctcgctg cttatttgca 540
gcagcaaata ttactaccat ttagccagct agctgcagca agccgtgctt ctttcttgac 600
acagcaacag ttgctgcctt tctaccagca gtttgoggc 639

<210> 10896
<211> 660
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F12

<400> 10896

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cctatagctt cccttcttcc ccggtacctc tcaccagcgg tgtcttcggg atgtgaaaac 180
ccaattcttc aaccctacag gatccaacag gcaatcacag ctggcatctt acctttatca 240
cccttggtcc tccaacaatc atcagcccta ttacatcagt tacctttggg gcatttattg 300
gcacaaaaca tcagggcaca acaactacaa caacttggtc tagcaaact tgctgcttac 360
tctcagcaac agcagtttct tccattcaac caactagctg cattgaactc tgcttcttat 420
ttgcaacaac aacaactacc attcagccag ctacctgtg cctaccccca gcaatttctt 480
ccattcaacc aactggcagc attgaactct cctgcttatt tacagcagca acaactacta 540
ccattcagcc agctagctgg tgtgagccct gctaccttct tgatacaacc acagttgttg 600
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<210> 10897

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F2

<400> 10897

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atatcccagg tacacacctc atttctaag ctgcagtaag ttatatcttc tgtatgtgtg 120
tgtgtaagtg ctaatgtatt ttactgctat cacagcttct ctacaggaag tacagtggaa 180
acttcocttg taaccttctt gggaagtgga aggagtctga atactctggc cattctattc 240
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gtggggactg gggaggcctt ctgccatga tcatttttgt tgtttttggt attcaataat 360
taggtattct tttgactaac aatagcacat tggaaaccac acagtttggc tgatgtcctt 420
gcaaatccat tccatgcact gttttatgtg gtcttcatgc tgtcagcctg tgctctgttc 480
tcaaagacat ggattgaagt ttctggttca tcagcaaagg atgttgctaa gcagctcaag 540

gaacaacaaa tggatgatgcc aggccatcgt gagtcgaact tgcagaagga acttaaccga 600
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<210> 10898
 <211> 655
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-114-Q6-K6-F4

<400> 10898

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 acaagctcct atagcttctt ttcttcccc atacctctca ccagcggtgt cttcagtatg 180
 tgaaaacca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattctacc 240
 tttatcacc ttgttctctc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
 tttgttgga caaaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
 tgcttactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc cccagcaatt 480
 tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag cctgttgcc ttcttgacac aacaacagtt 600
 gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacact gcaac 655

<210> 10899
 <211> 150
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F6

<400> 10899

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 cttattaatg ctggttattt agttctcctt 150

<210> 10900
 <211> 650
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10900

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tccctcctta tgctccttgc tctttctgca tgtgttgcta acgcgacaat tttccctcaa  120
tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat gatagcttca  180
gtatgtgaaa acccagctct tcaaccctat aggctccaac aagcaatcgc agcaagcaac  240
atacctttat cacccttggt tcaacaatcg ccagccctat ctttggtgca gtcattggta  300
caaaccatca aggcacagca gctgcagcaa ctctgtgtac ctgtgatcaa ccaagtagct  360
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aactgaacc ctgctgctta ttgacagcaa caactattac cattcagcca gctagctact  480
gcctactctc atcaacaaca acttcttcca ttttaaccaat tggccgcact gaacctcgct  540
gcttatttgc agcagcaaat attactacca tttagccagc tagctgcagc aagccgtgct  600
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<210> 10901
 <211> 634
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-F8

<400> 10901

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tctaccagca ctgagccaac tagctgtggt gaacctgtc gcctacttgc aacagcagtt  120
gcttgcatcc aaccacttg ctctggcaaa catagttgca taccaacaac aacaacaatt  180
gcaacagttt ctaccagcgc tcagtcaact agccatggtg aacctgccg cctacctaca  240
acagcaacaa ctgatttcat ctagccctct cgctgtgggt aatgcaccta catacctgca  300
acaacagttg ctgcaacaga ttgtaccagc tctgactcag ctagctgtgg caaacctgc   360

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tgcctacttg caacagctgc ttccattcaa ccaactgact gtgtcgaact ctgctgcgta 420
 cctacaacag cgacaacagt tacttaatcc actagcgggtg gctaaccocat tggtcgctgc 480
 cttcctacag cagcaacaat tgctgccata caaccagttc tctttgatga accctgcctt 540
 gttgtggcag caacccatcg ttggagggtgc catcttttag attacatatg agatgtactc 600
 gataatggtg ccctcatagc ggcattgtgtt tcct 634

<210> 10902

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-F9

<400> 10902

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 ntcgnnccct cngnggggng aagagnggct ggggggcatg aagngcagca agcactgcag 120
 ctgtttttat ttatatnaca aaaggggctt agtatggggc tttttttttt tttattatan 180
 nctcttcttc caaggggttt gtcgattcga ggaacagatt agtcaaattt tgtgggtgtt 240
 agacttgatga cctccgtttg tgcatagetc agcttcatcc aaaactatgt gctgtcacct 300
 aaccgagagt tctgggtctgt gatgtatgac atgtttatac atttttttta ggaatgaatc 360
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<210> 10903

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G10

<400> 10903

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 agtcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt cggtatgtga 180
 aaacccaatt cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt 240

atcaccccttg ttctccaac aatcatcagc cctattacag cagttacctt tggtagcattt 300
attggcaciaa aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 360
ctactctcag caacaacagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
ttatttgcaa caacaacaac taccattcag ccagctatct gctgcctacc cccagcaatt 480
tcttccattc aaccaacttg ctttgacaaa cccaacagca ttctaccaac aacccatcat 540
tggtagtgcc ctcttttaga tttcttatga gttatagttc aataataaag ttttttgtct 600
g 601

<210> 10904

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G11

<400> 10904

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tgatcggtgc ccttgctctc ctggcgctcg ctgcgagcgc cgcctccagt acaagcggcg 120
gctgtggctg ccagacacca ccgtttcatc taccgcctcc gttctatatg ccgcctccgt 180
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gcgagctcgc ggcgctgatg gcggcccagg tagcgcagca gctgacggcg atgtgcggtc 540
tgcagctgca gcagccaggt ccctgccctt gcaacgcagc tgccggcggt gtctactact 600
gaggaaaactt gtactgtagt aataatgtaa tggagccgct gactagctac ctat 654

<210> 10905

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G2

<400> 10905

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tagtactagt tgggggggcg gtgataacca cggggggggc ggagaaaccg gggggggacc 180
caaagagaaa canctggatg aaaataaatt tttttttttt ttttttggtg gtgtagagga 240
cccaagnnga cggacgcgnc caagggacgg ccaagcgggg ggnaggggg accgcgcccg 300
gaggcgcggc acgaggcccg acggcggggg gcgtgaçaaa accgtggcgc tgcccacttg 360
aaacgccttt agcacca 377

<210> 10906

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G3

<400> 10906

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gcccctacgc tgctgccggc ggtgtcccc actgaagaaa tatgtgctgt agtataggcg 180
gtggctagct agctagttga gtcatttagc ggcgatgatt gagtaataat gtgtcacgca 240
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<210> 10907

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-G6

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<210> 10908
<211> 657
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-G7

<400> 10908

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<210> 10909
<211> 660
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-114-Q6-K6-G8

<400> 10909

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aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac 600
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<210> 10910

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-G9

<400> 10910

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cgagtgccat tattccacag ttctccctc cagttacttc aatgggcttc gaacaccag 180
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agcaacaact tctttcatct agcccgctcg ctatgggcaa tgcacctaca tacctgcaac 540
 aacagttggt gcaacaacag ttgctgcaac aaattgtacc agctcttact cagctagctg 600
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<210> 10911
 <211> 242
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-114-Q6-K6-H1
 <400> 10911

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 gcaaccatc gttggaggtg ccactcttta gattacatat gagatgtact cgataatggt 180
 gccctcatag cggcatgtgt ttcctagaaa taatcaatat attgattgag atttatctcg 240
 at 242

<210> 10912
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 gacatttaca agagaggaac cagtcaagtt acattggtag ccttgacgc cgggtccgag 420
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<210> 10913

<211> 486

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H3

<400> 10913

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gaataccaac aacctatgat tgagaggagc acctctttta gatttcttat gagttatagg 420
tcaataataa aggattcagg ctgatgtacg cgggttccca aaaataagaa agtacattag 480
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<210> 10914

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-114-Q6-K6-H6

<400> 10914

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cgccaaaggt aactgctgta atagggctga tgattgttgg aggaacaagg gtgataaagg 240
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attgaactct cctgcttatt tacagcagca acaactacta ccattcaggc agctagctgg 360
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<210> 10915

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H7

<400> 10915

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ct 362

<210> 10916

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-114-Q6-K6-H8

<400> 10916

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cagaacatgc cggccatggg tggactctac cagtaccagt accagctgcc cagctaccgc 540
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<210> 10917

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A11

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 attccacagt gctcacttgc tcctagtgcc agtattccac agttcctccc accagggact 180
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 gtggtgaacc ctgtcaccta cttgcaacag cagctgcttg catccaaccc acttgctctg 420
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 caactagcca tgggtgaacc tgccgtctac ctacaactac tttcatctag cccgctcgcg 540
 gtgggcaatg cacctacgta cctacaacaa cagttgctgc aacaaattgt accagctctg 600
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<210> 10918

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A12

<400> 10918

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 tcctatagct tcccttcttc ccccatacct ctcaccagcg gggggggggg ggggtgaaat 180
 ttttttggtc aaccctacag gatccaacag gcaatcgcaa caggcatctt accattatca 240

cccttggtcc tccaacaacc gtcagcccta ttacagcagt tacctttggt ccatttggtg 300
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ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca atttcttcca 480
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ttcagccagc tagctgatgt gagccctgct gccttcttga cacaacaaca gttgttgccg 600
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<210> 10919

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A3

<400> 10919

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cgcagtccaa ctccccacc gtctacgact ggctctacag cgacgagacc agtagcaacc 600
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<210> 10920

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A4

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
tgaaaacca attcttcaac cctacaggat ccaacaggca atcacagctg gcatcttacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta catcagttac ctttgggtgca 300
tttattggca caaaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
tgcctactct cagcaacagc agtttcttcc attcaaccaa ctagctgcat tgaactctgc 420
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actactacca ttcagccagc tagctgggtg gagccctgct accttcttga tacaaccaca 600
gttggtgccc ttctaccagc acgctgcgcc taacgctggc accctcttac aactgcacat 660
tgc 663

<210> 10921

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-A5

<400> 10921

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gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
caagaagttc atgttcaaca acaacaaca caaccgcagc accaacaaca acaacaaca 360
caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcaca 420
ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480

caacatcaac aacaattcca gggatcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa acacaacagc aacaatgtca ttgccaggag cagcaacaga 600
 ctacaagggtg cagctataac tactatagca gtagctcaa 639

<210> 10922

<211> 667

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A6

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<210> 10923

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 10924

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-A8

<400> 10924

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<210> 10925
 <211> 667
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-A9
 <400> 10925

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<210> 10926
 <211> 599
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-B1
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<210> 10927
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 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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 ggtgccagc cacaccgacg cgcactgcat ctgctacgtg gcggaaggcg agggagtgg 540
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<210> 10928
 <211> 645
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-B11

<400> 10928

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<210> 10929

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 10930
 <211> 658
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B2

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<210> 10931
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B3

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gcgactaccc ttacctcggt caggattgtc accagcaccg ccagagcttg ggggccatgg 360
ggcatcgaga gcggcacacg tttctgcac accgcgcca tcggcagcag catcgtggga 420
ttctatggac gcgcgacgac caggctcgtc gctgcgatcg gtgtctacct gcgccaaactt 480
tagtctgggt tcagcagcag gacgggtact acagatatgc tagataaagg tcttatatat 540
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<210> .10932

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-B4

<400> 10932

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tagcgcttgc ggcgagcgcc ttacaacaac caattgcca attgcaaca caatccttgg 180
cacatctaac cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat 240
cactgagcca cctagccgtg gtgaaccctg tcaoctactt gcaacagcag ctgcttgcac 300
ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 360
ttatgccagt gtcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt 420
catctagccc gctcgcggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac 480
aaattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac ttacaacagt 540
tgcttccatt caaccaactg gctgtgtcaa actctgctgc gtacctaaa cagcgacaac 600
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<210> 10933

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B5

<400> 10933

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
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tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
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atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca 600
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<210> 10934

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B6

<400> 10934

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tgatggattg actgctcttg aaatttttct tcttgggtgct gttgcgaaac ttggtgcaac 180
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tggtaacact agtctgggta agaaactacc atcaaagtca tcaagatgaa ctacgggcat 480
cgcaagcggt agtatatcat cctaaaaagc catttattat ccgcataaac cgtaaacaa 540
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635

<210> 10935

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 10935

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gttctcaaag gcttatggaa tgatgggggtg gcgtgtagga tacattgcat ttccaaatga 180

agctgatggc ttccatgata agctcctcaa ggtgcaagac aacataccga tctgcgcctc 240

catcatcggg cagcgcttg cgtctactc gctggaggcc ggccccgagt ggatcaaaga 300

acgggtgaaa gacctggtga aaaaccgggc gctgctggtg gaggcactgt ccccgctcgg 360

cgaggacaac gtcaagggcg gggagggcgc catctacctc tgggcaaagc taccggacag 420

ctgctcggac gacttcgagg ctgtcaggtg gctcgcgaac aagcacggag tcgccgtgat 480

ccccgggagc gccagcggag gacccgggta catccgcgtc tccttcggag ggctcaagga 540

agaggacacc aggctggccg ctgagaggct caggcgcggc ctgcaggagc tggtgaccga 600

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<210> 10936

<211> 119

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-B9

<400> 10936

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atcgaaatta aacaaatgaa aggacaggtg cagcagataa tgaaacatgt ttttcccct 119

<210> 10937

<211> 650

<212> DNA
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gcgaagccgg cggctggtat ggatcccaat ggccctcaaaa ctggaggcct tttgctcccg  180
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ggcgttg*cag ctgcccgtgc cctctccaat tcttcattta aggtgactgt tttggaatcg  300
agagatcgta ttggcggggc cattcatact gataactcgt ttggatgcc aattgatatg  360
ggagcctcat ggctacacgg cgtgtgcaat gagaatccac tggcaccatt gataagctat  420
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gaaagctatg ctctctttga taaggatggg aatcagggtcc caaaggagac agtcgataaa  540
gttggagaaa cattcgagag aattcttgaa gagacgggtga aagtgcgcga tgagcaggaa  600
cacgacatgc cactgctaca ggcaatttct attgtgtttg agaagcaccc   650
  
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<210> 10938
 <211> 460
 <212> DNA
 <213> Zea mays
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ccattcagcc agctagctgc tgccctaccc cggcaatttc ttccattcaa ccaactggca  180
gcattgaact ctcatgctta tgtacaacaa caacaactac taccattcag ccagctagct  240
gctgtgagcc ctgctgcctt cttgacacag caacatttgt tgccgttcta cctgcacact  300
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ttgacaaacc cagcagtgtt ctaccaacaa cccatcattg gtggtgcctt cttttagatt  420
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<210> 10939
 <211> 666
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 10939

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cctggcagtt tactagaagg tttctctggt gttcaagtta gcacacttgc tgtgaatgag   180
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cgtgaatatg atatggagag atatcagctc gtgaaccact accgatataa ctggccggtt   420
aatcacacat ccgtgagccc agataagaaa cttttggctg tggttggaga tgatcgagat   480
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tactcatttg ctacggcatg gcacccggac agccggacat tcgcgaccgg gaaccaggac   600
anaacctgcc gcactctgga caccgcaac ttgtcgacct cacttgcagt actgcggggc   660
aacatc                                           666
  
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<210> 10940
 <211> 515
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-C12

<400> 10940

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ctcaccaacg gtgtcttcgg gggggggggg cccttttctc atttttacag gatccaacag   180
gcaatcgag ctggcatctt acctttatca cccttggtcc tocaacaatc atcagcccta   240
  
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 caacttgctt tgacaaaccc agcagcattc taccaacaac ccatcattgg tggggccctc 420
 ttttagattt cttatgagtt atagttcaat aataaagttt tttgtctgat gtttgtggct 480
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<210> 10941

<211> 330

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-C2

<400> 10941

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 tggggccacca gcaacgagtc gctggagaat gccttttttt tttatggtga gatcctcgac 180
 gtgcgggggg tgaccgaccg ggagacgggg aggtcccggg ggttgggggtg ggggtacctc 240
 tntctccgaga actccatgct cgacgctatn gagaacatga acgnaagga gctnganggn 300
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<210> 10942

<211> 497

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-C3

<400> 10942

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 ccattcagcc agctatctgc tgctacccc cagcaatttc ttccattcaa ccaactgaca 180
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g'gc'c't'a'a'c'g' c't'g'g'c'a'c'c'e't' c't't'a'c'a'a'c't'g' c'a'a'c'a'a't't'g'c' t'g'c'c'a't't'c'a'a' c'c'a'a'c't't'g'c't' 360
 t't'g'a'c'a'a'a'c'c' c'a'g'c'a'g'c'a't't' c't'a'c'c'a'a'c'a'a' c'c'c'a't'c'a't't'g' g't'g'g't'g'c'c'e't' c't't't't'a'g'a't't' 420
 t'e't't'a't'g'a'g't' t'a't'a'g'n't'c'a'a' t'a'a't'a'a'a'g't't' t't't't'g't'c't'g'a' t'g't't't'g't'g'g'c' t't'c'c'c'a'g'a'a'a' 480
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<210> 10943
 <211> 646
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-C4
 <400> 10943

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 c't'g'c'c'a'g'c'c'a' c'c'g'c'c'g'c'c'g'g' t't'c'a't'e't'a'c'c' g'c'c'g'c'c'g'g't'g' c'a't'e't'g'c'c'a'c' c't'c'c'g'g't't'c'a' 120
 c'e't'g'c'c'a'c'e't' c'c'g'g't'g'c'a't'e' t'c'c'c'a'c'c'g'c'c' g'g't'e'c'a'c'e't'g' c'c'g'c'c'g'c'c'g'g' t'e'c'c'a'c'e't'g'c'c' 180
 a'c'c'g'c'c'g'g't'e' c'a't'g't'g'c'c'g'c' c'g'c'c'g'g't't'c'a' t'e't'g'c'c'g'c'c'g' c'c'a'c'c'a't'g'c'c' a'c't'a'c'c'e't'a'c' 240
 t'e'a'a'c'c'g'c'c'c' c'g'g'e'c't'e'a'g'c' c't'c'a't'c'c'c'c'a' g'c'c'a'c'a'c'c'c'a' t'g'c'c'c'g't'g'c'c' a'a'c'a'g'c'c'g'c'a' 300
 t'e'c'a'a'g'c'c'c'g' t'g'c'c'a'g'e't'g'c' a'g'g'a'a'c'e't'g' c'g'g'c'g't't'g'g'c' a'g'c'a'c'c'c'c'g'a' t'e'c't'g'g'g'c'c'a' 360
 g't'g'c'g't'e'g'a'g' t't'e'c't'g'a'g'g'c' a't'c'a'g't'g'c'a'g' c'c'c'g'a'c'g'g'c'g' a'c'g'c'c'e't'a'c't' g'e't'e'g'e'c't'e'a' 420
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 g't'a'c'c'a'g'g'c'g' a't'e't't'e'g'g'e't' t'g'g't'e'c't'c'c'a' g't'c'c'a't'e'c't'g' c'a'g'c'a'g'c'a'g'c' c'g'c'a'a'a'g'c'g'g' 540
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 g'c'a'g'c'a'g'c'c'g' a'c't'c'c'a't'g'c'c' c'e't'a'c'g'e't'g'c' t'g'c'c'g'g'c'g'g't' g't'e'c'c'c' 646

<210> 10944
 <211> 672
 <212> DNA
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 <223> Clone ID: LIB3061-115-Q6-K6-C5
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 t'e't'e't'g'e't'e'g' c'c'g'c'c'g'g'c'g'a' g'g'a'g'a'c'a'g't'a' g'c'c'c'g'c'c'g'e't' g'c'a'c'g'c'a'c'g'c' g'c'c'g'c'g'a'g'g'a' 120

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 <211> 647
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-C6

<400> 10945

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<210> 10946

<211> 648
 <212> DNA
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 <223> unsure at all n locations
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<210> 10947
 <211> 580
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-D1

<400> 10947

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<210> 10948

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-D10

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 aacaacaaca acaaccgcag caccaacaac aacaacaaca acaacagcac caacaacaac 420
 atcaatgtga aggccaacaa caacatcacc aacaatcaca aggccatgtg caacaacacg 480
 aacagagcca tgagcaaacac caaggacaga gccatgagca acaacatcaa caacaattcc 540
 agggtcatga caagcagcaa caaccacaac agcctcagca atatcagcag ggccaggaaa 600
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<210> 10949

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-D11

<400> 10949

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tectatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg tatgtgaaaa 180
 cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
 acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg tgcatttatt 300
 ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
 ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
 tccattcaac caactggcag cattgaactc tctgcttat ttacagcagc aacaactact 540
 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagttggt 600
 gccgttctac cagcacgctg cgcctaacgc tggca 635

<210> 10950
 <211> 548
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 10950

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 gctgcgccgc cgccgcgcc gccacgctgt acgaggtcct tggcctgcgg gcgggggcga 180
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 gaggcgcccc tggagcggcg ccgtctacgg ccggccccga cgccgcacat gggagacgga 420
 ccagtgcctg tngtagagag tagagaggca cagccaaaag cccacgcgc ttcttgctctt 480
 gctgtataat atttagacct cctgccccca gccatgcggg catggccggg tcaccttgga 540
 cttttttt 548

<210> 10951
 <211> 388
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-D2

<400> 10951

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tggtgtgtgg tgtggtgtgt ttgttggggg gtttnggggg ctgggctggg gngngntgt 120
tttttttttt tttgttnnnn ttgttggggg gggggggagg gttttttttt tttngnngng 180
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gggttggtgt gtgtgtgggg ttggtgtggt ttgtgttgtg tgtgtggggt gtgtgttgtgt 300
ttgggggtgtt ggggttggtg tgggtggngt tgggtttttt tgtttggggt gggggggggg 360
gggggggggg gggggggggg gggggggg 388

<210> 10952

<211> 563

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-D4

<400> 10952

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gttgccgttc taccagcacg ttgcgcctaa cgctggcacc ctcttacaac tgcaacaatt 120
gctgccattc aaccaacttg ctttgacaaa ccagcagtg ttctaccaac aacctatcat 180
tggtggtgcc ctcttttaga tttcttatga gttatagttc aataataaag ttttttatct 240
gatgtttgtg gcttcccaga aataagaaag tacatctcta gattaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaatnnaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
acaaaatttt aaaccggggg tttgaaaaaa aaaatttttt tttttggggc ccaaaaaaaa 540
aaaaatgggg gcgggttttt aaa 563

<210> 10953

<211> 111

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-D5
 <400> 10953
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggcggg ccgttttaag a 111

<210> 10954
 <211> 670
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-D6
 <400> 10954
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 ctgcgcgggg ctgcagggct tgtacggcgc tggcgccggc ctgacgacga tgatgggcgc 180
 cggcgggctg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
 ggcgcctac tacgccgggt gtgggcagcc gagcgccatg ttccagccgc tccggcaaca 300
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 gcagcagcag cagcagctgc tggcagccca gggctctaac cccatggcca tgatgatggc 480
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 cccctgtggc gtctccgctg ccattccgcc ctactactga ttcatgatat ttgggaaatc 600
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 catgtgtggg 670

<210> 10955
 <211> 613
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 10955

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tgctcgcggc tgccagcgc agcgcggga cctcctgcgt gccgggggtgg gccatcccgc 180
acaacccgct cccgagctgc cgctggtagc tgaccagccg gacctgcggc atcggggccgc 240
gcctcccgtg gccggagctg aagaggagat gctgccggga gctggcggac atcccggcgt 300
actgccggtg cacggcgtg agcatcctca tggacggcgc gatcccgccg ggcccggacg 360
cgcagctgga gggccgccta gaggacctgc cgggctgcc cggggagggtg cagaggggat 420
tcgccgccac cctcgtcacg gaggccgagt gcaacctggc caccatcagc ggcgtcgccg 480
aatgcccctg gattctcggc ggcggaacga tgccctccaa gtaactgcga agagcatagt 540
gcatgaggaa tgagcttgta gctagctcat atgtctgaat aataagcaca gcaagaagat 600
gaatgcattt ctc 613

<210> 10956

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-D8

<400> 10956

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ggggggcccg ggaccgaagg gggattgang ggagggggca ggccaagtag gggcaaaaaa 120
agaagnanga aaaaaccnaa ccccggggta nnagaacggg tgattttttt ttttctacaa 180
gaaaaggggn cgaaggaagg aggggagcat ggggagggga agctgntccc gctgggcaga 240
gtgatgtggt gctgtggacg ctgacgctga cggcctcctt ggtgtggctg accgtggtta 300
cgttggtggt gctgatattt ataccggct gg 332

<210> 10957

<211> 637

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-E10

<400> 10957

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cagatgcgcc ctgctgtacc aatgacaccc actctagccc cgcgccttcc aatgtaccct 120
cctatggctc ctcagcaact cttctatgga caagcgccac ctgctatgat accccctcag 180
ccaggatttg gtttccagca acaacttggt ccaggcatga ggcttggggg tctcatatg 240
ccaaattatt ttgttccagt tgtccaacac caacagggcc aacagggtcc acgcccaggt 300
attagcgctg gagctggagc ccagggtcag caacctgtgc caccatttca gcagcagatt 360
gttccaagag gacggatgta ccgttaccga actggtcgca acatgcctga agctccggcg 420
atgccagggg ttgctggagg tatgatgcag gcatacgata tgggcgggctt cctgtgagg 480
gatgtgcct tatccccggc tgcccaaatt gggactctga cttctgcctt tgcaaagtct 540
aatcctgaac agcaaagaac gatccttggt gaaaacctat acccactggt tgagcaactg 600
gaaccaaacc aagcggcaaa gtcactggaa tgctttt 637

<210> 10958

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-E11

<400> 10958

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aactattacc attcagccag ctagctactg cctactctca gcaacaacaa cttcttccat 120
ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactaccat 180
ttagccagct agctgcagca aaccggtgctt cttctttgac acagcaacag ttgctgcctt 240
tctaccagca gtttgcggct aaccccgcaa cctctttaca actacaacaa ttgttgcctt 300
ttgtccaact tgctttgaca gacggagcgg cctcctacca acaacacatc attgggtggtg 360
ccctctttta gattgcttat tagttgtaat tcaataataa agtttttttg atgatgtatg 420
tggccaacca gaaataagaa gttacatttc cagattttta tgtgat 466

<210> 10959
 <211> 603
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-E2

<400> 10959

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aattgccccg gaggtctggt atctgcatac tatttatgtt gacatcgccc agcttttctt 480
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tgacatngtg gacacttgac atgctcttcg acatttgatt ttacagctaa cttattcaga 600
ggg 603

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<210> 10960
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-E4

<400> 10960

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actatccgct ccaggaggct gaagttagca tcggggcaac caggctccact cgtcaggctc 180
gcctagggta cgtcgacgac gacgaggacg gggaagaggt gcctcagaac taccggtcgt 240
tcggggcggt gggaaatgta tttagaccaa ggatcgggag gcggaaccgt cgccagcctc 300
ctggagtgcg cgtcctgcac cctcagacaa gagccggcgg ctggatggag atggagatgg 360

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gtgagttcag gaacgaggaa ggtgaagatg gcgaggtgtc cgtcagcctc atggagacca 420
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<210> 10961
 <211> 591
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-E5
 <400> 10961

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 tccccctact ctcagcaaca acaatttctt ccattcaacc aactgtctat actgaacctt 180
 gctgcttatt tgcagcaaca acaactacta ccattcagcc agctagctac tgcctactct 240
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 caactgcaac agttgtgtcc ctttgtccaa cttgctttga caaaccagc agccttctac 480
 caacaacaca tcattggcgg tgcctcttt tagattgctt attagttgta attcaataat 540
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<210> 10962
 <211> 623
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-E6
 <400> 10962

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cccaattctt caaccctaca ggatccaaca ggcaatcgca gctggcatct tacctttatc 180
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<210> 10963
 <211> 432
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-E7

<400> 10963

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<210> 10964
 <211> 641
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-E9

<400> 10964

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<210> 10965

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F1

<400> 10965

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<210> 10966

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F10

<400> 10966

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<210> 10967

<211> 135

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F11

<400> 10967

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<210> 10968

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F2

<400> 10968

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 caacaattgc tgccattcaa ccaacttgct ttgacaaacc cagcagtgtt ctaccaacaa 600
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<210> 10969

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F3

<400> 10969

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<210> 10970

<211> 214

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F4

<400> 10970

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accgttactc atgagccaat cttaacgagg gcatgcctgc gtaggtcaga cctggggggtg 180
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<210> 10971

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-F5

<400> 10971

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 agaaattccg gtttagcaag gagttcattg aattgcccgg tcaagctctg gatttattcg 420
 ttaacaggat agcttcacac cctgaactca agcaaagtga tgtcttgagg acatttttgc 480
 aagcagatga agagataatg gatagggcaa gatcttatga gactgggtatt ttaagaaac 540
 cggcagattt catacagatg ttaaggatg tgcagtcaa agtcagtgat gttgttcttg 600
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<210> 10972

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F6

<400> 10972

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 agatccaaat gttgtagagt tttctcacca aacatacata aactcagggg gtgttgccca 180
 acttgagtgg agtgcaaatt atcctaaaca tgctgtttct ggtaatcatc agccaatcat 240

cgaggaacca ctgagcccag aatgtgaaac tgaaaatata gaggcacatg aggggtgcaat 300
 tgaggatttc ttttgtgaag aatctgatga aattcctacc attaatctta atatcgagga 360
 gttcacacaa aacttgaagg actatatgca agcaaacaat gttgagattg aatatgctga 420
 catgtcaaag gcattgggtg ccatcacgcc tgatgctgct tccattccaa ctccaaagct 480
 caagaatgtc aatcgtctga ggacagaaca ccaagtttat gaactgccag attcacaccc 540
 tcttctggaa ggattcgaac agagagaacc agatgatccc tgtccatata ttctttccat 600
 atggacccca ggtgaactgc acaatcgatc gatgcccc 639

<210> 10973
 <211> 660
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F7

<400> 10973

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 gccgccggtg catctgccac ctccgggttca cctgccacct ccggtgcac tcccaccgcc 180
 ggteccacctg ccgccgccgg tccacctgcc accgccgggtc catgtgccgc cgccgggttca 240
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 cggcgttggc agcaccgccga tcttgggcca gtgcgtcgag tttctgaggc atcagtgcag 420
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 gcagctcagg caggtggagc cgcagcaccg gtaccaggcg atcttcggct tggtcctcca 540
 gtccatcctg cagcagcagc cgcaaagcgg ccaggctcgc gggctgttgg cggcgcagat 600
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<210> 10974
 <211> 656
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-F9

<400> 10974

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ctgcgcgggg ctgcagggt tgtacggcgc tggcgccggc ctgacgacga tgatgggccc 180
cggggggctg taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc 240
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gtgctgccag cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat 360
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gcagaacatg ccggccatgg gtggactcta ccagtaccag ctgcccagct accgcaccaa 540
ccccgtggc gtctccgctg ccattccgcc ctactactga ttcattgat tgggaaatc 600
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<210> 10975

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-G10

<400> 10975

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gaccctttct ctaagaagga ttgggtatgac atcaaggcac cgtcgggtgtt cagtgtgcgc 180
aacatcgga agactctcgt atccaggaca cagggtacca ggattgcttc tgaggggtctg 240
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gaagcccatg ttgatgtcaa gacaaccgac aactacatgt tgcgtttgtt ctgcatcggc 480
ttcacgaaga ggcgccccaa ccagggtcaag agaacctgct atgctcaggc atcccagatc 540

cgtcagatcc gccgtaagat ggttgagatt atgatcaacc aggcttctac atgtgacctg 600
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<210> 10976
<211> 643
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-G11

<400> 10976

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acaaccaatt gccaattgc aacaacaatc cttgccacat ctaacaatac aagccatcac 300
aacgcaacag caacaacagt tcctaccagc actgagccac ctagccatgg tgaaccctgc 360
cgcctacttg caagagcagc tgcttgcatc caaccactt gctctggcga acgtagtctg 420
aaaccagcaa caacaacagc tacaacagtt tctgccaaag ctcaagtcaac tagccatggt 480
gaaccctgcc gcctacgtac aacaacaaca actgctttca tctagcccgc tcgctgtggg 540
caatgcacct acatacctgc aacaacaatt gttgcaacag attgtaccag ctctgactca 600
actagctgtg gcaaaccctg ttgcctactt gcaacagctg ctt 643

<210> 10977
<211> 650
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-G12

<400> 10977

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tacagattat tcagtcagta tgttgggatg ccgcggggcaa ctatctggcg tctgtcaggg 180

aagagtctgt catgttgtgg tcatttacct cagggaacta catcgaatgc atacatgagc 240
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 ttataatcgg ttgttatgag tccctagagc tttgggacat tagggagaag aacacggtga 360
 caatcagcaa cgctcatgac ggcattggtg ctgccctagc cgcgtcaagt gcatcggggc 420
 tggttgcatc agtgagtcac gatcagctcg ttaagctctg gaggtgacac tgaagacagc 480
 aacgcttgtc tgtgtgtcat tctcatttcc agtgctgtgg caaaagcgaa agggcagctg 540
 atctgatctc ctagattgat ttgcgactgt ggcattgcgc aactattcaa atagttgtca 600
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<210> 10978

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-G2

<400> 10978

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 gctacggcga ccattttccc gcaatgctcg caagctccta tagcttccct tcttcccccg 180
 tacctctcac cagcgggtgc ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc 240
 caacaggcaa tcacagctgg catcttacct ttatcaccc tgttcctcca acaatcatca 300
 gccctattac atcagttacc tttggtgcat ttattggcac aaaacatcag ggcacaacaa 360
 ctacaacaac ttgtgctagc aaaccttgct gcctactctc agcaacagca gtttcttcca 420
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 aactctctg cttatttaca gcagcaacaa ctactaccat tcagccagct agctgggtgtg 600
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<210> 10979

<211> 666

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-G3

<400> 10979

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agctgc 666

<210> 10980
<211> 595
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-G4

<400> 10980

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gcagccgcaa agcggccagg tcgcggggct gttggcggcg cagatagcgc agcaactgac 180
ggcgatgtgc ggctgcagc agccgactcc atgccctac gctgctgccg gcggtgtccc 240
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gcaatgacct gaatgaacaa ttgaaatgaa aagaaaaaaa tactccaaaa aaaaaaaaaa 420

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aattaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggggcg 540
 gccgttttaa aagaaccaa ttttacttcc ccgggcttcc aacgtaaaag ttttt 595

<210> 10981
 <211> 619
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-G6

<400> 10981

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 tggatcgagt cggagatgac cggaggggaag cagctgtcca aggaaggagc ggnntggag 600
 tcgcccgtgc ggtgcgccc 619

<210> 10982
 <211> 631
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-G8

<400> 10982

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<210> 10983
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-115-Q6-K6-G9
 <400> 10983

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 gctgccattc cgcctacta ctgattcatg atatttggga aatctcctct atccatctct 600
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<210> 10984
 <211> 636
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-115-Q6-K6-H1

<400> 10984

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<210> 10985

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-H10

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<210> 10986

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-H12

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<210> 10987

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-115-Q6-K6-H2

<400> 10987

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tcccacaatg ctcacaagct cctatagctt cccttcttcc cccatacctc tcaccagcgg 180
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<210> 10988

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H3

<400> 10988

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<210> 10989

<211> 628

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-115-Q6-K6-H4
 <400> 10989

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<210> 10990
 <211> 604
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H6
 <400> 10990

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tgcttatgta caacaacaac aactactacc attcagccag ctagctgctg tgagccctgc  360
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caccctctta caactgcaac aattgctgcc attcgaccaa ctgctttga caaaccagc 480
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<210> 10991

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-115-Q6-K6-H9

<400> 10991

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 aacacatagc accacctcta actcagctag ctacgagaaa ccctgctgca tacttgcaac 540
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<210> 10992

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-A1

<400> 10992

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 ccagctagct ggtgtgagcc ctgctacctt nttgacacaa ccacaattgt tgccgttcta 600
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<210> 10993
 <211> 649
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A10
 <400> 10993

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 gagccctgct gccttcttac tgcagcaaca gttgcttcca ttccatctac aagttgtggc 540
 aaacattgct gctttcttgc aacaacaaca acaattgctg ccattttacc cacaggttgt 600
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<210> 10994
 <211> 388

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A12
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 ttcttccattc tgcgcctaac gctggcacc tcttacaact gcaacaattg ctgcccattca 240
 accaacttgc ttgacaaaac ccaacagcgt tctaccaaca acccatcatt ggtggtgccc 300
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<210> 10995
 <211> 620
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-A4
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 ccagcgcggg gaccttctgc gtgccggggg gggccatccc gcacaacccg ctcccagagct 180
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 cggaggccga gtgcaacctg gccaccatca gcggcgtcgc cgaatgcccc tggattctcg 480
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<210> 10996
 <211> 635
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-A5

<400> 10996

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 gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
 tatgtgaaaa ccagctctt cagccctata ggctccaaca agcaatcgca gcaagcaaca 240
 tacctttatc acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg 300
 tacaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag 360
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 ctacactgaa ccctgctgct tatttgcagc aacaactatt accattcagc cagctagcta 480
 ctgectactc tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg 540
 ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 600
 cttccttctt gacacagcaa cagttgctgc ctttc 635

<210> 10997
 <211> 656
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-116-Q6-K6-A6

<400> 10997

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aattcaatttg cttggcaaga tagagtcttg tccaatgaag ttcttctatg aagacaagat 420
 ttgatacttt gagaaaatta atttcatgaa gagaagatga gagacatata tactggctgg 480
 tacatgagaa gataaaagag agtcaagtca atttcaagta cttttgtgac tttttcaaatt 540
 gttgggggaac ttgaagcgaa cgatttttat gaagatactc tttatgagga tcaccttacg 600
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<210> 10998

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-A7

<400> 10998

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 tattccacaa tgctcacaac aatacctctc tccggtgaca gccgcgagat ttgaataccc 180
 aactatacaa tctacaggc tacaagaggc catcgcagca agcatcttac ggtcgcttagc 240
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 ggcaaacatt gctgcttctt tgcaacaaca acaacaattg ctgccatttt acccacaggt 600
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<210> 10999

<211> 608

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-A8

<400> 10999

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 cgtggactgg cgcgagaccc ccgacgcgca cgagatcgtg gtcgacgtgc ccgggatgcg 360
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<210> 11000
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-A9
 <400> 11000

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 ccagcagcat tctaccaaca acccatcatt ggtggtgccc tcttttagat ttcttatgag 360
 ttatagttca ataataaagt tttttgtctg atgtttgtgg cttcccagaa ataagaaagt 420
 acatttctag att 433

<210> 11001
 <211> 528
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-B1

<400> 11001

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aacaacatta accaccacca caacatcacc agcagnagna acaccaacaa caacaagttt 300
acatgcaacc acaaaaacat tagtaaeaac aagaagttta tgttcaacaa caacaacaac 360
aaccggagta ccaacaacaa caacaacaat aacagtatga acaacaacat taatgtgaag 420
gtcaacaaca acattatcaa taattacaag ggcattgtgna acaacatgaa cagagtcattg 480
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<210> 11002

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-B10

<400> 11002

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tgtggtcttg ccctggaact tttcctccaa gcatcaaact tccacttgct ct 652

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<223> Clone ID: LIB3061-116-Q6-K6-B11

<400> 11003

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caacttgctt tgacaaacct agcagcctcc taccaacaac acatcattgg tgggtgccctc 600
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<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-B12

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<211> 636
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11005

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<210> 11006
<211> 372
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-116-Q6-K6-B6

<400> 11006

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attcttaaag acatgcccac cgctaacatt caagttctac cggttggctc gcttgtgacc 180
caagactttc gccctgatcg tgttcgcac ttcgttgata ttgttgccca gactccaaca 240
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tcatggctaa taaatctac atttcttggg taaaaaaaaa aaaaaaaaaa aaaaaaggga 360
ggacgataat aa 372

<210> 11007

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-B8

<400> 11007

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<210> 11008

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-B9

<400> 11008

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acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgca tactctcagc 360
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aacaattacc attcagccag ctagtgtctg cctaccccca gcaatttctt ccattcaacc 480
aactagcagc attgaactct gctgcttatt tacagcagca acaactacta ccattcagcc 540
agctagctga tgtgagccct gctgccttct tgacacaaca acagttgttg ccgttctacc 600
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<210> 11009

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C10

<400> 11009

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gggaggcatg gcgtccgaaa gcacttcaag tacgtcatcc tcggcggcgg cgtcgcggcg 180
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tccaaggagg ctgtggctcc ttacgagcgt cctgcctaa gcaaaggcta cctctttcct 300
acgaatgctg caagactccc aggattttat gtatgtgtgg gaagtggagg agagaagcta 360
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gctgatcttt ccaccaagac tctgactagt gcagctggag caaactttac atatgagatc 480
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gattctaaca acattctata tctaagggaa attgatgatg ctgacaagct ggttgcagct 600
atccaggcaa agaaggtggc aaggcagtgg ttgt 634

<210> 11010

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C11

<400> 11010

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tctccctcga cctctgggac ccttttgagg gcttccccctt cggctccggc agcagcggca 180
ggctcttccc ctcggttccc cggaccagct cggagaccgc ggccttcgct ggcgcgcgga 240
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aggaggaggt caaggtggag gtcgaggacg gcaacgtcct tcagatcagc ggcgagcgca 360
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tcttgcgcag gttccgactg cccgagaacg ccaagacgga gcagatcagg gccgccatgg 480
agaacggcgt gcttacagtc actgtgcca aggaggacgc caagaagcct gaagtgaagt 540
ccattcagat ctccggctag acctcggtct gcggtcgctg tacctgcgtg gtttgaggaa 600
cggcagttcg cctcggtcgt tctgtgaaat aaaatgggt 639

<210> 11011

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C2

<400> 11011

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aacaatggca gccaaaaatt ttgcctcctt atgctccttg gtctttctgc aagtgtgct 120
acggcgacca ttttcccgca atgctcgcaa gctcctatag ctcccttct tccccgtac 180

ctctcaccag cgggtgtcttg ggtatgtgaa aaccaattc ttcaacccta caggatccaa 240
caggcaatca cagctggcat cttaccttta tcaccttgt tcctccaaca atcatcagcc 300
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caacaacttg tgctagcaaa ccttgctgcc tactctcagc aacagcagtt tcttccattc 420
aaccaactag ctgcattgaa ctctgcttnt tatttgcaac aacaacaact accattcagc 480
cagctacctg ctgcctaccc gcaggaattt ttttcattca accaactggc agtattgaac 540
tcttctgctt atttacagna ggtacaacta ctaccattga gccagctatc tgggtgtggag 600
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<210> 11012

<211> 292

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C3

<400> 11012

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gaangtagta aattagatgg ttgccggtcg cggttcagct gtccaagagc agtgagtttg 120
ttgatgggtt gtattgtatt tatgctgata ggctgtttgt gtagtttaga acaaaaaaag 180
atacatgggg ggaaagggtg tccgcctgtt ttatttttaa aaaaaagggg ggggggggaa 240
aaaaaaaag aggggggggg aaaaanagn nnnngggggg ggggggtggg gg 292

<210> 11013

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C4

<400> 11013

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acccggcgca acgtcccctt cccgcctctc cgcggcgctg cgtgacaccc ggcctccgct 120
acgaaacacc ggggcggtg tagcctagcg ggcgggcat ggcgtcaacg gtgctggagg 180

cgacgcgggc ggcccatgag gatctggaga ggctggagcg gctcgcggtg agcgagctgc 240
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tcgacctcgt cgtctccacc tccggcaagc tctgtgaaat ttacgaggac aaggacaatg 360
ctaggaagga tgagatcaac actcatctta ctgcaccac gcaaagtga ctgttttagca 420
agtactatga aaggctcaaa gagatccgtg aatatcatcg gcggaacca tctgcccgtc 480
ttgttagtac aactgatgac tatgaagagc ttctaaagga ggaaccagtt attgaattca 540
ctggcgagga aacttttggc cgttaccttg acttgcata gctttataat gagttcataa 600
attccaagtt cggaactctg atggaatatt cagcttatgt tggctgtttc tcc 653

<210> 11014

<211> 584

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C5

<400> 11014

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tcttgatgta tagattttgc aagaggatca taaagaacgt ttcaagcgta taagtattat 120
ttcataggaa taacagcagt tttacatat gatgggaaat attttacctc attcatacag 180
actatattat gcatgatgtt ctgcaagact ttcatacaggc aatgtaattt cttggaataa 240
caactgattt gataacattt gatcaccatt ttatctgcct gatacataat atgtataagg 300
tgattgtgtt caaaaaggga aatatgctat ttgagttcta cttcaaatgt atcaactaat 360
gttatgacta caccattgta tttcccaaag acttgagggg gtaaagggga ttgggactga 420
aacggtagac tatttggttg atttaaaatt atacttcaac cacacgtata ctgactaccc 480
tattgtttgt atgatgattg gggatattaa ttgtgggttg atacaccaac gctgaactat 540
ttggtgtatg catcaggatc catgatagca gcgtactctt tact 584

<210> 11015

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C6

<400> 11015

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tcgccatgtc taaggcagag agacaagtaa aacagaatgt aaatcaagga agcagacagc 120
atacagcacc ctctttttca aagtacaaca ccattgcaac tgtataagtg gtgtcaacaa 180
cagcgggggt gggtaaatta ttttatcgtg tttgcactcc acaagggtac atgtacatga 240
tggcctggag aggtggctac cctgttctga agaagtgacc attggaacgt ttacttgtgt 300
ctctgtctta aacatgggga aagcatggat tggatgaacgt gatgag 346

<210> 11016

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-C7

<400> 11016

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcgggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattcttacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta caacagttac ctttgggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgcct acccccagca 480
atttcttcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca 600
gttggtgcgg ttctaccagc acgttgcgcc taacgctgg 639

<210> 11017

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C8

<400> 11017

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gggctgcagg gcttgtacgg cgctggcgcc ggccctgacga cgatgatggg cgccggcggg 180
ctgtaccctt acgcggagta cctgaggcag ccgcagtga gcccgctggc ggccggcgccc 240
tactacgccg ggtgtgggca gccgagcgcc atgttccagc cgctccggca acagtgtctg 300
cagcagcaga tgaggatgat ggacgtgcag tcqgtcgcgc agcagctga gatgatgat 360
cagcttgagc gtgccgtgc cgccagcagc agcctgtacg agccagctct gatgcagcag 420
cagcagcagc tgctggcagc ccagggtctc aaccccatgg ccatgatgat ggccgagaac 480
atgccggcca tgggtggact ctaccagtac cagctgcca gctaccgcac caaccctgt 540
ggcgtctcgg ctgccattcc gccctactac tgattcatga tatttgggaa atctcctcta 600
tccatctctc tctatctata tatgtaataa tgcagtaaga cgacacac 648

<210> 11018

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-C9

<400> 11018

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cccatcccaa tgaactgata gcactctttt ccaggatatgt tcaccagggc aagggaatgc 180
ttcagcgcca tcagctgctt gcggagtttg atgccctgtt tgatagtgc aaggagaagt 240
atgcaccctt tgaagacatt cttcgtgctg ctccaggaagc aattgtgctc ccccatggg 300
ttgcacttgc tatcaggcca aggcctgggtg tctgggatta cattcgggtg aatgtaagt 360
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atggacaatc caacagcaac tttgtgcttg agcttgattt tgagcccttc aatgcctcct 480
ttcctcgtcc ttccatgtcg aagtccatcg gaaatggagt gcaattcctt aaccgacacc 540

tgtcgtccaa gttgttccag gacaaggaga gtttgtaccc ctgctgaac ttcctcaagg 600
ctcataacta caagggcacg acgatgatgt tgaatgacag 640

<210> 11019
<211> 144
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D1

<400> 11019

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agatatatgt atgtatggag attaaatgag gatatatattg atgattgttt ttttttttta 120
ttggtttggg tggggggggg gggg 144

<210> 11020
<211> 671
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D10

<400> 11020

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aagatattag cctccttgc gcttcttgcc cttttagtga ggcgaacaaa tgcgttcatt 120
attccacagt gtcacttgc tctagtgcc attattccac agttcctccc accagttact 180
tcaatgggct tcgaacatcc agccgtgcaa gcctacaggc tacaactagc gcttgcgggc 240
agcgcttac aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacccta 300
caaaccattg caacgcaaca acaacaacaa caacagtttc tgccatcact gagccaccta 360
gccgtggtga accctgtcac ctacttgcaa cagcagctgc ttgcatccaa cccacttgct 420
ctggcgaacg tagctgcata ccagcaacaa caacagctgc aacagtttat gccagtgtc 480
agtcaactag ccatgggtgaa ccctgccgtc tacctacaac tactttcatt tagcccgtc 540
ggggtgggca atgcacctac gtacctaaa caacagttgc tgcaacaaat tgtaccagct 600
ctgactcagc tagctgtggc aaaccctgct gcctacttac aacagttgct tccattcaac 660
caactggctg c 671

<210> 11021
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-D11

<400> 11021

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tgtctttgga gatgcatctg tattcctact tccttggaac cgtctgtttg gggtgactga 180
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tcaggctgtg gaagaagtga atattgtaat taaatttaat agtttgctta caacattaag 480
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<210> 11022
 <211> 660
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-D12

<400> 11022

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgg 180
gggaaacccc aatttttcaa ccctacagga tccaacaggc aatcgcaaca ggcatcttac 240
cattatcacc cttgttcttc caacaaccgt cagccctatt acagcagtta cctttgggtcc 300
  
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atttggtggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaacccttg 360
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 tactaccatt cagccagcta gctgatgtga gccctgctgc cttcttgaca caacaacagt 600
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<210> 11023
 <211> 679
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-D3

 <400> 11023

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 gccattattc cacagttcct cccaccagtt acttcaatgg gcttcgaaca tccagtcttg 180
 caagcctaca tttttttttt agcgcttgcg gcgagcgccct tacaacaacc aattgcccaa 240
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 caacaacagt ttctgccatc actgagccac ctagccgtgg tgaaccctgt cacctacttg 360
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 caacaacagc tgcaacagtt tatgccagtg ctcaagtcaac tagccatggg gaaccctgcc 480
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<210> 11024
 <211> 281
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-D4

<400> 11024

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gccgnactac cagcacgaag cgcctaacgc tggcaccctc taacaacggc aacaatngct 120
gccattcaac caacttgctt tgacaaaccc agcagtgttc taccaacaac ccataattgg 180
tggagccctc ttttagattg cttatgagtt atagttcaat aataaagatt tttatatgaa 240
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<210> 11025

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D5

<400> 11025

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cattttatat gctgcatttg ttatttcgga tatttatttc tgtagctaag accattgata 180
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<210> 11026

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D6

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cgttctacca acaaccctc attgggtgtg ccctcttcta gatttcttat gagttatagt 480
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<210> 11027

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-D7

<400> 11027

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cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 240
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<210> 11028

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-D8

<400> 11028

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acaaggcggc caaggaggag gagaagaagg atgcaggcgg agccggaagc gaggagaaga 180
aggacggcaa ggaggatgaa gagaagaagg acggcggcga gaagaatgag gagaagaagg 240
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tctacgcgcc gccgcaccac cacctgcacc agcagcagcc catggcgccg cagatcttca 480
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<210> 11029

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-D9

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648

<210> 11030

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-E10

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acaattttcc ctcaatgctc acaagctcct atagcttccc ttcttcccc ataccttcca 180

tcaattatag cttcagtatg tgaaaaccca gctcttcaac catataggct tcaacaagca 240

atcgagcaa gcaacatacc tttatcgccc ttgttgtttc aacaatcacc agccctatct 300

ttggtgcagt cattggtaca aaccatcagg gcacaacagc tgcagcaact cgtgctacct 360

gtgatcaacc aagtagctct ggcaaacctt tctccctact ctcagcaaca acaatttctt 420

ccattcaacc aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca 480

tttagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540

gcgcgactga acccgctgc ttatttgcag cagcaaatac tactgccatt tagcgagcta 600

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<210> 11031

<211> 512

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-E2

<400> 11031

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aagggaactg gtgaccaacc aaggcaggct gtggaactgg gcaggcatgg cgccctagag 180

cgttgcggtt ccattctgtc gctgctggag agcagctggc tagctggttag cgttttccct 240

agttttctctc tctctctctg tcgctgtgtt ccccgtttca gtttacttat agcccgaaga 300
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 cgtctggctg ggtgtgttgc gtcgctcattg gggctctagta tggccagttg tgttcgtcgt 420
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<210> 11032

<211> 155

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11032

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tttgtggggg ggggggggtt tttttttttt tttgt 155

<210> 11033

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E4

<400> 11033

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ctgcagggct tgtacggcgc tggcgccggc ctgacgacga tgatgggcgc cggcgggctg 180

taccctacg cggagtacct gaggcagccg cagtgcagcc cgctggcggc ggcgcctac 240

tacgcgggt gtgggcagcc gagcgccatg ttccagcgc tccggcaaca gtgctgccag 300

cagcagatga ggatgatgga cgtgcagtcc gtcgcgcagc agctgcagat gatgatgcag 360

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cagcagctgc tggcagccca gggctctaac cccatggcca tgatgatggc gcagaacatg 480

ccggccatgg gtggactcta ccagtaccag ctgccagct accgcaccaa cccctgtggc 540

gtctccgctg ccattccgcc ctactactga ttcattgat tttgggaaatc tctcttatcc 600
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<210> 11034
<211> 674
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E5

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gcaatgctcg caagctccta tagcttccct tcttcccccg tacctctcac cagcgggtgc 180
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catcttacct ttatcacccct tgttctctca acaatcatca gccctattac aacagttacc 300
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gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480
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gcagcaacaa ctactaccat tcagccagct agctgggtgt agccctgcta ccttcttgac 600
acaaccacag ttgttgccgt tctaccagca cgttgccgct aacgctggca ccctcttaca 660
actgcaacaa ttgc 674

<210> 11035
<211> 663
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-E6

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gcgtccatta ttccacaatg ctcaacttget cctagttcca ttattccaca gttcctccca 180
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attgcggcga gcgtcttaca acaaccaatt gcccaattgc aacaacaatc cttggcacat 300
ctaacaatac aaaccatcgc aacgcaacag caacaacagt tcctaccagc actgagccac 360
ctagccatgg tgaacctgt cgctacttg caacagcagc tgcttgcac caaccactt 420
gctctagcaa acgtagtgc aaaccagcaa caacaacaac tgcaacagtt tctgccagcg 480
cttagtcaac tagccatggt gaacctgcc gctacctac aacagcaaca actgctttca 540
tctagcccgc tcgctgtggc caatgcacct acatacctgc aacaagaatt gttgcaacag 600
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<210> 11036

<211> 644

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-E8

<400> 11036

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gatgcatctt ccagaggatg aagaactaca ccatctatgc agtctccatc acaatccgta 120
tagtgcttgg atttatgctc attgcattga tctggcaata cgatttctcc cctttcatgg 180
tccttatcat cgccattctc aacgacggca ctatcatgac catctctaag gacagagtta 240
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ttggaagcta cctcgtctg atgactgtca ttttctctg ggctatgcac aagaccgact 360
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cgctgtacct ccaagtgagt atcgtgagcc aggtctgat ctctgtcacc cgggtccgga 480
gctggctcct cgtggagcgc cctggcctgc tcctggtcac cgcgttctg ctgcccagc 540
ttgtcgcgac cttctcgtc gtctacgcca actggggctt cgccaggatc aagggtatcg 600
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<210> 11037

<211> 656
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-E9

<400> 11037

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caatgctcac aagctcctat agcttccctt ctcccccatt accttccatc aattatagct  180
tcaatatgtg aaaaccagc tcttcaacca tataggcttc aacaagcaat cgcagcaagc  240
aacatacctt tatcgccctt gttgtttcaa caatcgccag ccttatcttt ggtgcagtca  300
ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctct gatcaaccaa  360
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gctactgcct actctcagca acaacaactt ctccattta accaattggc cgcactgaac  540
cccgctgctt atttgcagca gcaaatacta ctaccattta gccagctagc tgcagcaaac  600
cgtgcttctt tcttgacaca gcaacagttg ctgcctttct accagcagtt tgcggc    656
  
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<210> 11038
 <211> 643
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F10

<400> 11038

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ccactgcaaa tcatttcttt cgcaagtttt ctgagattaa gatggctatt gcaagatggt  120
gtgagagcag tgatgtcata atttgtacaa tggcattctc tatgaaagag aagttcaata  180
aatattggga catgaacaat atggcttttag cagtgggggc atttcttgat cctaggtaca  240
aacacaaaat ggtggagttg tacatgtcta agatgtatga tagtgagagg gctgagctag  300
agaagttgtc tttcattaat gtcacatcat agttatttgc tttgtattca tcaaacaatca  360
atgcaaaaac aaccaatatg gcttctacct ccaaggagag tgaacttggt ccacacaaaa  420
  
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atggttcttt catggatgat gaggatgagg atgaggttga tcttgatgag ttgtatgcag 480
cagcaaacia tgtgaagaag gtttcagaat tggatgtgta tatgagtgag ggtttggtga 540
aggtcaatga aggtgatgct ccatttgata tcctatcttg gtggaggggg caagtgacaa 600
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<210> 11039

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11039

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gggcccaggt cacaatcgat gcacggagga ggatgccgcc gtagctgcgg agattgataa 180
tataaagcgg gcggagaccg cgggcccctc tggcctcgtg gctcctcccc ccttcctccc 240
cccacatgcg ctgccccgc cgggccctgc cctgccctgc cctgctgcgc ccaagctgaa 300
tctccgcaca gacaattaga gtagctgcat tggcggggaa agcgcaagaa gctcagcaga 360
aatggcggag caggcaggcg ccggaaggta ctggtgccac atgtgcgccg cggtcgtgag 420
ccccgcggag ggcgaggcgg aggtgaagtg cccgcattgc cacagcggct tccttgagga 480
gatggagacc gtcgcggca cggccgcggc cgatgacggc gacggtgacg gcgcggtggc 540
tcaagtgtac cccggcgccg accgcccag ctccatctgg gcgcacgcta tcctcagcac 600
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<210> 11040

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-F2

<400> 11040

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gccggcgcgcg gctcgacgag gcagcgggtga ccgacgtggg cctcctggcg gccgacccgt 240
tccggatcct ggagcacgtc cccttcgggt tcgaccggga cgacgtggcc atggtctcca 300
tggcgcgcggt ggactggcgc gagacccccg acggcgacga gatcgtggtc gacgtgcccg 360
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gcgagcggcg gcgcgctgag gagcgcaagg gcgaccactg gcaccgcgag gagcgtcct 480
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ccagcctcga cagcggcgtc ctcaccgtgc gattcaggaa gctggcgccc gagcagatca 600
agggccccgcg cgtcgtcg 618

<210> 11041
<211> 660
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-116-Q6-K6-F4
<400> 11041

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tcacaaggcc atgtgcaaca acacgaacag agccatgagc aacaccaagg acagagccat 180
gagcaacaac atcaacaaca attccagggt catgacaagc agcaacaacc acaacagcct 240
cagcaatatc agcagggcca ggaaaaatca caacagcaac aatgtcattg ccaggagcag 300
caacagacta caaggtgcag ctataactac tatagcagta gctcaaattt aaaaaattgt 360
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atacaacca gtagctgcc ggtattgcag caacaatgtt gtcattgatc taggcagatt 480
gagccacaat acattcacca agcaatctac aacatggttc aatccataat ccaggaggag 540
caacaacaac aaccatgtga gttatgtgga tctcaacaag ctactcaaag tgcggtggca 600
atcttgacag cagcacaata cctaccatca atgtgcggct tgtaccactc atactacca 660

<210> 11042
 <211> 621
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F5

<400> 11042

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<210> 11043
 <211> 639
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F6

<400> 11043

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tggtctacag aacgagaagg acatcgtgcc aacacctgta aaggttgagc ttatacgaag 540
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<210> 11044

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-F7

<400> 11044

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<210> 11045

<211> 287

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-F8

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tgntgnttaa tggaggtgat agagtgagct attntgagat tgtgacacat ttaaatttct 180
 catatgatga tgttgtttta ttgctgcatt ctttattttg tgcaaaatac aagattgtta 240
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<210> 11046

<211> 670

<212> DNA

<213> Zea mays

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<210> 11047

<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G1

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gcgccgtgaa ggagacgacg gggatcgtgg gccttgaggt ggtgcctaac gcgcgagagg 180
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<210> 11048
 <211> 641
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 11048

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 ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg catcttacca ttatcacctt 240
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 aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc 360
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 aacaacaatt accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca 480
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 gccagctagc tgatgtgagc cctgctgcct tcttgacaca acaacagttg ttgccgttct 600
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<210> 11049

<211> 631
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-116-Q6-K6-G11
 <400> 11049

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 agcccttttg ttggcttttg gcttctaggg gggaaaagcc aaagccaaag ccaaaagtca 180
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 atacttgaca gatcttgcac tctgaaaacg gaaacgtaag cgtggcaatc ttttaagaca 420
 tgcataagat cttagtgcc a tgaggctaac atctgagact tgggtgtttc agattatctc 480
 cggaaaacat agtgcaggga aggtcttcca agtcaactaa ggttggcgac atcatgactg 540
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<210> 11050
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-G12

<400> 11050

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 ggttgacaca ttttctgttg ctgcctttct acaagcagtt tgcgggctaac cccgcaacct 240
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 cctaccaaca acacatcatt ggtgggtgcc tcttttagat tgattattag ttgtaattca 360
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attct

425

<210> 11051

<211> 645

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G3

<400> 11051

gctgntgtga cagncagtgt tattggtgaa ggatgtgtta ttaaaaactg caagataaac 60

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ctaattgggtg cggactacta tgagacagaa gctgataaaa aactccttgc cgaaaaagtg 180

gcattcctat tgggtattggg aaaaatcatg catcaggaga gcaatcattg acaagaatgc 240

tcgaattgga gacaatgtta agatactcaa tgctgacaat gttcaagaag ctgcaatgga 300

gacagacggg tacttcatca aaggtggaat tgtcacagtg atcaaggatg ctttactccc 360

tagtggaaca gttatatgaa gtgaacgtgc gacatgcagc tgtgtgtctc gacattcgac 420

aatgatcagc acctggttac atgcgtgac tgcagatcag tctggttgag atcatcggag 480

caataaaagt gtcacccaag gcattttttc tttctttttg ctcttttgtg tccttcaatg 540

ttgtagggtg gaatgttgta gcagcaaatg ttagttacat gttgaatcga cattgggggc 600

ctggatttgg ggatacatca tgctgtaaat tgatcagttt aatta 645

<210> 11052

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G4

<400> 11052

tgctccgcgc cgcgtggcga ccattgtccat ggcggctatc ttcgtcttcc tcattcgtgtc 60

cgcgtcgcag ctgctcgatc gctacctcga cctcgccaga aagagcggag gacttagtga 120

tgagcagatc aaagtgcggc ttgaaatcaa gcaacttctc aaggaggctg atcagttgtc 180

aacgccgtcc acatttgcac aagctgctaa actcaagcgc ctggctgctg ccaaggagaa 240

ggaactggca aaaatgcagg aacatgacct taaaggggaag caatccttat acgacaaata 300
 cacaaaatth ttgttggtta ctaaggatcat aatttatgct gtgctcgttc tgtgcttttg 360
 gagtactcct gtaactgcag ttccacaaca ttttctacag cccttcggaa aaagtthttcc 420
 tggagaggtg ttgatactgc caccggcaat gttgtggttg gaatactccc gtggctgttt 480
 ttgacctctc gggtcagcaa gatgctgtgc cagaaactcg gcttcgtgct tgtgcgtccg 540
 tagcgctttt ccatgagaaa gtcagcaagt tgctgcacct aaacaagact gctagctntg 600
 ntcttctata tctt 614

<210> 11053

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G6

<400> 11053

gcaacatacc atagtgaagt aactagcaa catcttagca ccaatggcag ccaagattht 60
 tgccatcctt gccctccttg ctctttcagc aagcggtgct accgagacta ttattccaca 120
 atgctcacia caatacctct ctccggtgac agccgagaga tttgaatacc caactataca 180
 atcctacagg ctacaagagg ccatcgagc aagcatctta cggtcgtag cattgaccgt 240
 ccaacaacca tatgccttat tgcaacaacc atccttaatg aatctatata tccaaagaat 300
 cgcagcacia caactacaac aacagttgct tccaacaata aatcaagtag ttgcagcgaa 360
 ccttgctgct tacctccagc aacaacaatt tcttccattc aatcaactag ctgggggtgaa 420
 ccctgctgct tacttgagc cacaacagct actaccattc aaccaacttg tcaggagccc 480
 tgctgccttc ttactgcagc aacagttgct tccattccat ctacaagttg tggcaaakat 540
 tgctgctttc ttgcaacaac aacaacaatt gctgccattt taccacaggt ttgtgggaaa 600
 cattaacgcc ttcttgcaac agcaacagtt gctacca 637

<210> 11054

<211> 666

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-G7

<400> 11054

cccggaac tagcaacata gttgtcaca tagtgtagca acaatgca gccaaaatt 60
ttgctcctt atgctcctt gtctttctgc aagtgtgtc acggcgacca ttttcccgca 120
atgctcgcaa gctcctatag ctcccttct tccccgtac ctctcaccag cgggtgtctc 180
ggtatgtgaa aacccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat 240
cttaccttta tcacccttgt tctccaaca atcatcagcc ctattacaac agttacctt 300
ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa 420
ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctacc 480
ccagcaattt ctccattca accaactagc agcattgaac tctctgtctt atttacagca 540
gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca 600
accacagttg ttgccgttct accagcacgt tgcgcctaac gctggcacc tcttacaact 660
gcaaca 666

<210> 11055

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G8

<400> 11055

ttttcaaac nacaccaagc gaagcgact agcaacgacc taacaccaat ggctaccaag 60
aattagccct ccttgcgctt cttgcccttt tagtgagcgc aacaaatgcg ttcattattc 120
cacagtgtc acttgctcct agtgccagta ttccacagtt cctcccacca gttacttcaa 180
tgggcttcga acatccagcc gtgcaagcct acaggctaca actagcgctt gcggcgagcg 240
ccttacaaca accaattgcc caattgcaac aacaatcctt ggcacatcta accctacaaa 300
ccattgcaac gcaacaacaa caacaacagt ttctgccatc actgagccac ctagccgtgg 360
tgaaccctgt cacctacttg caacagcagc tgcttgcac caaccactt gctctggcga 420
acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagtg ctcaagtcaac 480

tagccatggt gaacctgcc gtctacctac aactactttc atctagcccg ctgcggtgg 540
gcaatgcacc tacgtaccta caacaacagt tgctgcaaca aattgtacca gctctgactc 600
agctagctgt ggcaaaccct gctgcctact tacaac 636

<210> 11056

<211> 282

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-G9

<400> 11056

ggggcgagcagn tgngcgaggc gngagggag gggagggaca ggcgctgcct ttttatgtc 60
cacgacaacg gggntngcnc gggttttttt ttttttttcc ggccggnac cgccgggag 120
aggggggagg cggagggccc cccccgcgc gcgctgggccc tgccgctgcc gcgttgtcag 180
cggctgcagg acgtgaggct ggagtgccgc tgcccgaca tgcccgctgt ggtgaggcgc 240
tgccggtgn gcttgccgat tcttttggg gatgggctgg tc 282

<210> 11057

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H1

<400> 11057

gcaacanagn aaagtgaac cagtagcaac aatagagcaa caatggcgac caagatattt 60
tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120
tgctcacaag ctcttatagc ttccttctt ccccatacc ttccatcaat tatagcttca 180
atatgtgaaa acccagctct tcaaccatat aggttcaac aagcaatcgc agcaagcaac 240
atacctttat cgcccttgtt gtttcaacaa tcgccagccc tatctttggg gcagtcattg 300
gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctctgat caaccaagta 360
gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
totacactga accctgctgc ttatttgag caacaactat taccatttag ccagctagct 480

actgcctact ctcagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540
gctgcttatt tgcagcagca aatactacta ccatttagcc agctagctgc agcaaaccgt 600
gcttccttct tgacacagca acagttgctg cctttctacc agcagtttgc ggc 653

<210> 11058

<211> 453

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H11

<400> 11058

ttttaatgtt aagnaactca atgctggcaa tgttcaagaa gctgcaaggg agacagacgg 60
gtacttcac c aaaggtggaa ttgtcacagt gatcaaggat gctttactcc ctagtggaa c 120
agttatatga agtgaacgtg cgacatgcag ctgtgtgtct cgacattcga caatgatcag 180
cacctgggta catgcgtgat ctgcagatca gtctgttgga gatcatcgga gcaataaaaag 240
tgtcatccaa ggcatttttt ctttcttttt gctcttttgt gtccttcaat gttgtagggt 300
agaatgttgt agcagcaaat gttagttaca tgttgaatcg acattggggg cctggatttg 360
gggatacatc atgctgtaaa ttgatcagtt taattaccat actgtgctgc tttgagcgaa 420
gccatggaga ccatgctcca cttttgtgcc ntg 453

<210> 11059

<211> 566

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H12

<400> 11059

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cctgaagctt ctagacgttc gaggaggagg aggaggaggg gaggctccc cgcgcgccgt 120
agccatggcg tccaccaagg tgcagcgtat catgaccag cccatcaacc tcatctgggg 180
tgggctgcag agtttttttc tcatccagat ctggctcttc gagcagaagg acctccgat 240
tgagggtcgc atcatcgga tcgatgagta catgaacttg gtctcgaag atgctgagga 300

aatcaacgtc aagaaaaaca ctaggaagac actgggcccgg atactcctca aaggtgacaa 360
cataactttg atgatgaaca gtggcaagtg aaagttctta tggcaggaac gatgtttggt 420
gctcgcgttg agtatttctg gcacgttgta ctccatccat tcagacttac atgtatcatg 480
tcattgtgga ttagtgagag agttgtacct gctgttaatg acctgagtaa aattatgcta 540
gatgctggtc acttgtgtgt gccnna 566

<210> 11060

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H2

<400> 11060

cgtccggtcc aactagcaac atagnaaagc acatagtgtg ccaaccaatg gcagccaaaa 60
atthttgctc cttatgctcc ttggtctttc tgcaagtgtc gctacggcga ccattttccc 120
gcaatgctcg caagctecta tagcttccct tcttcccccg tacctctcac cagcgggtgc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 240
catcttacct ttatcacctc tgttcctcca acaatcatca gccctattac atcagttacc 300
tttgggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480
ccccagcaa tttcttccat tcaaccaact ggcagcattg aactctcctg cttatttaca 540
gcagcaacaa ctactaccat tcagccagct agctgggtgtg agccctgcta cttctttgat 600
acaaccacag ttgttgccgt tctaccagca cgctgcgcct aacgctgg 648

<210> 11061

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H3

<400> 11061

ctacaagcaa catagnaagt ggaatccagt agcaacaaca gagcaacaat ggcgaccaag 60
 atattttccc tccttatgct ccttgctctt tctgcatgtg ttgctaacgc gacaattttc 120
 cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaatgata 180
 gcttcagtat gtgaaaaccc agctcttcag ccctataggc tccaacaagc aatcgagca 240
 agcaacatac ctttatcacc cttgttggtt caacaatcgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
 ctagctactg cctactctca gcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
 aaccccgctg cttatttgca gcagcaaata ctactaccat ttagccagct agctgcagca 600
 aaccgtgctt tcttcttgac acagcaacag ttgctgctt tctaccagca gtttgcggt 660
 aaccc 665

<210> 11062
 <211> 650
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-116-Q6-K6-H4

 <400> 11062

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 tcacgtttct cgtcgtgtgc ctggctctgt cagctgccag cgctcttgca atgcagatgc 120
 cctgccccctg cgcggggctg cagggcttgt acggcgctgg cgccggcctg acgacgatga 180
 tgggcgcggg cgggctgtac ccctacgcgg agtacctgag gcagccgcag tgcagcccg 240
 tggcgggggc gccctactac gccgggtgtg ggcagccgag cgccatgttc cagccgctcc 300
 ggcaacagtg ctgccagcag cagatgagga tgatggacgt gcagtccgtc gcgcagcagc 360
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 ctctgatgca gcagcagcag cagctgctgg cagcccaggg tctcaacccc atggccatga 480
 tgatggcgca gaacatgccg gccatgggtg gactctacca gtaccagctg cccagctacc 540
 gcaccaaccc ctgtggcgct tccgctgcca ttccgcccta ctactgattc atgatatttg 600

ggaaatctcc tctatccatc tctctctatc tatatatgta ataatgcagt

650

<210> 11063

<211> 564

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H5

<400> 11063

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gggcacaaca actacaacaa ctgtgctag caaaccttgc tgctactct cagcaacagc 120
agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 180
aactaccatt cagccagcta tctgctgcct acccccagca atttcttcca ttcaaccaac 240
tgacagcatt gaactctcct gcttatttac agcagcaaca actactacca ttcagccagc 300
tagctggtgt gagccctgct accttcttga cacaaccaca gttggtgccg ttctaccagc 360
acgctgcgcc taacgctggc acctcttac aactgcaaca attgctgcc a ttcaaccaac 420
ttgctttgac aaaccagca gcattctacc aacaacccat cattggtggt gccctctttt 480
agatttctta tgagttatag ttcaataata aagttttttg tctgatgttt gtggcttccc 540
agaaataaga agtacattt ctag 564

<210> 11064

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H6

<400> 11064

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aggatccaac aggcaatgc aacaggcatc ttaccattat cacccttggt cctccaacaa 120
ccgtcagccc tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca 180
caacaactac aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt 240
cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca acaattacca 300
ttcagccagc tagttgctgc ctacccccag caatttcttc cattcaacca actagcagca 360

ttgaactctg ctgcttattt acagcagcaa caactactac cattcagcca gctagctgat 420
 gtgagccctg ctgccttctt gacacaacaa cagttgttgc cgttctacct gcacgctatg 480
 cctaacgctg gcaccctctt acaactgcaa caattgctgc cattcaacca acttgctttg 540
 aaaaacccaa cagtgttcta ccaacaaccc atcattgggtg gtgccctctt ttagattgct 600
 tatgagttat agttcataat gaagtttttg gatgattggt gtggcgctcc 649

<210> 11065

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-116-Q6-K6-H7

<400> 11065

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 agcgcagcag ctgacggcga tgtgcggcct gcagctgcag cagccaggtc cctgcccttg 120
 caacgcagct gccggcgggtg tctactactg aggaaactat gtactgtagt aataatgtaa 180
 tggagccgct gactagctac ctagctcgct agtttactca tttagcggcg atgagtaacg 240
 tagtgtcacc catcaccatg ggtggcagtg tgagcaatga cctgaatgaa ccattgaaat 300
 ggaaaggaat aatatatagg 320

<210> 11066

<211> 378

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-116-Q6-K6-H9

<400> 11066

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 cattaacggt gtccaggcca tagcgcagca gctacacctc cagcagtttg gcgatctcta 120
 cattgacctt aatctgnctc aagcgcgggg gggggggggg tttttttttt tttctacata 180
 tcntatctac cctangtact atagtgcacc ggttactccc cccacccttg gcggtgtctt 240
 gtactgaatt ttcacactat tgtagttcgg ggtgaaaat ataagctcag gtatcatcgt 300

atgtgäcatg tgagacttaa ggtgatctaa atagaattct aattatcttt ccatatttaa 360
gttaccagca ggaacaag 378

<210> 11067

<211> 636

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A10

<400> 11067

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aaaaaaaaa aangaaaaa aaaaaaaaaa aaaaaaaaaa aagagggggg ggggggggga 120
aatttttttt ttttttaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa 180
aaaaggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga aaaaaaaaaa aaaaaaaaaa 240
agaaagaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaagaa 300
aaaaaaagaa aaaaaaaaaa aaaaaaagaa aaaaaaaag aaaaaaaaaa aaaaaaaaaa 360
gaaaaaaaaat aaaaataaaa aaaaaaaaaa gaaaaaaaaa aagaaaaaag ggaagaagaa 420
aaaaaaaaag aaaataagaa aagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggaaaaa 480
agaaaaagag ataaaaaaat aaaaaaaaaa aaaaagagaa aaaaaaata aaaaaaaaaa 540
aaagaaaggt agaaaaaaa aaaaaaaaag agaaaaaga anaaaaagng aaaaaataaa 600
aaaaaaagga aaaccaaacc ccccccccc ccccc 636

<210> 11068

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A11

<400> 11068

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ccattcttca accctacagg atccaacagg caatcacagc tggcatctta cctttatcac 120
ccttggtcct ccaacaatca tcagccctat tacatcagtt acctttgggg gggggagggg 180
cacttttttt tagggcacia caactacaac aacttgtgct agcaaacctt gctgcctact 240

ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 300
 tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc 360
 cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa caactactac 420
 cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca cagttgttgc 480
 cgttctacca gcacgctgcg cctaacgctg gcaccctctt acaactgcaa caattgctgc 540
 cattcaacca acttgctttg acaaaccag cagcgttcta ccaacaaccc atcattggtg 600
 gtgcctctt ttagattctt atgagttata gttcaataat aac 643.

<210> 11069

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A12

<400> 11069

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 acaatagcaa tgaagcagaa agtaataact tagattgtgt tgataaagtg actctacttg 120
 aaaataaggt gcagcttgag ccagtaaaag acaatgttcc tggatatctgc gggggggggg 180
 gtgattctnc ttttttctt gagtttgagg ggcctgctga tgctagattc gatgttaaga 240
 ctgcagtga ggtgtactcg ccggaggaat atgaacaact taaatctgag aaggcaaatt 300
 tggagggaga actagcaaag tgcaacaaaa taatagaaga aacaatggct aggttaagtg 360
 atatggagaa aaaactggaa gacctgacat ctaagttggc tgacagtgag aaatcaaata 420
 gcttgaatga gacacagttg aagtgtatgg ctgaatccta caagtcactt gaatcaagga 480
 aaattgaatt agaaaatgag atagaagcgt tacgggtccag aatagatgct ctaacagctg 540
 aactctttga tgaaagacag agtcacagg aggacttagt taaatacag 589

<210> 11070

<211> 537

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A3

<400> 11070

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agagctggga cccacgctc gtcaaccctt gcacctggtt ccacgtcacc tgcgaccgcg 120
acaaccgctg caccgccta gatcttggtg atttgaactt atctggtcat ctggtgcctg 180
agcttgggaa actggagcat cttcagtatc tggaacttta taagaataac attcaaggaa 240
caatcccttc tgagcttggc aatttgaaga atctaataag cttcgacttg tacaagaaca 300
acatttcggg gacaatacct cctgcccttg gaaagttgaa gtcccttgta ttcttgctgc 360
tcaatggcaa tcatttgact gggcccatcc caagggaact cgctggaata tctagtctca 420
aagttgttga tgtttcaagt aatgatttgt gcgggacgat tcccacgtct ggaccatttg 480
agcatattcc tctgagcaac tttgagaaga acccgcgctt ggaaggtcca gagctac 537

<210> 11071

<211> 526

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A5

<400> 11071

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ctttctgcaa gtgctgtac cgcagaccat tttcccacaa tgctcacaag ctctatagc 120
ttcctttctt ccccatacc tctcaccagc ggtgtcttca gtatgtgaaa acccaattct 180
tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat cacccttggt 240
cctccaacaa ccgtcagccc tattacagca gttaccttg gtgcatttgt tggcacaaaa 300
catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca 360
acagcagttt cttccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 420
acaactacca ttcagtcagc tagctgctgc ctacccccag naattttttc cattcaacca 480
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<210> 11072

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A6

<400> 11072

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agggcggcct cggcggcgag gcgctctact tcgcggtcac cctgtggctg tccgtcatgt 120
cgtggatcat cttcacctgg gtcggcgacg gcggggagga cgggaggcgg gggaggaagc 180
gccggggcag ccgcggcagc ccggtgttcg tcggcgcgtc ggggatctgc gacggcaccg 240
ggccccagtg cagcggcggg tacggcatct gcggcacctg cctcgactag cctgctctgc 300
tactagtaag tttgtgtgag cgtcaaaagc gcggccatgt ttgtagctgt agcgtctaca 360
tgtcgtcgtc gatgcgtggc ctcgatggag aagctggcgt tgctctgggtg atatgatgag 420
agcagagcag ctcccctgtg tgaagacaat aagagggagg agcctactca tcagcctact 480
tccatcttgc ttattaggct gctcaaactg agttgtcggt agctcttttt tttatttctc 540
cttcctttaa agtttgatct cgatcctctg taaatttaag ctgcagaaga accaaataca 600
tgaaaaaaaa aaaaaaaggc ggccgc 626

<210> 11073

<211> 562

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-A7

<400> 11073

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caatcatggg ttatgcatga gttttgctga tccggagggt gtaattgggt gtgaggatgg 120
tcgagccttt gtatatgata tgtacagcag gagttgctca cgtatttata ggcttcactc 180
ctctcctgtg acatgtttga tgataacgga tgaccagctg attggttggtg gatcaacttt 240
tggaatgta gctattgcag atcaaactc agggcagaag ttaggtgttc taaaatcaga 300
tcatggacca ttggcaataa gatccttata ttctgcaca aattcacaca tgatatttgc 360
tggttcgtca gctgggttatg cacattgctg ggacttaagg actttgaggc ctctctggga 420

aaaaagagtc agcccaaagt tcatctacag cacacgtcat ttgcccgggtg acacggcaac 480
gctggcagtt ggaggcattg acggcgtgct ccgcgttata tgccaaagaa ctggtgacat 540
cattcgcagt cttgtcgttg ac 562

<210> 11074
<211> 637
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A8

<400> 11074

cagcacaacg cacggagtca gagtgggggc agcgcctcgt aatcgccata gcctatagct 60
gtagagaact gctccgggag gaagtagaca aggagagaga gagagaggtc aacagggcac 120
tgccggatcc ggagccaaaa aaaaaaccca gaaggatcca tggctcccgg agccggagac 180
gactctgata ccgcctctta tatccacacg gtgcagcacc tgatagagag gtgcatgacg 240
ttcgggatga gcatggagga gtgcatggag gcgctggcga agcgcgccga cgtccaaccc 300
gtggtcacct ccacagtgtg gaaggagctg gagaaggaga acaaggagtt cttcgacaag 360
tacaggcagt ggatctcgga gaagagaagc gggagtagct cctagtccta gtagcacggg 420
actcgatcgt gtctctctgc tggcttagct cgctttaaat tagcccgtag tgtgtattac 480
gtgtgcttag ttatttttagg atttattatt acttactgtg tttgattagg gaggaataag 540
cggtagggag ggagggaggc ttgtaatgtg attctctgta agcaagcaga gcagtagtca 600
cctgtacggc gcgggctgtg gcgttatgtg tacaggg 637

<210> 11075
<211> 638
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-A9

<400> 11075

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catcgctatc tcgatctcag ccatggcgga ggtggagcag caacaggaca cgccgaagct 120
gttcaaccgc tggaccttcg atgatgtcca ggtgaacgac atctcgctga acgactacct 180

ggctgtgaac gcgactaagc acgcgatgta cctgccgcac accgcggggc gttactccaa 240
 gaagcgggttc cgcaaggcgc agtgcccgat cgtcgagcgc ctcacaaact ccctcatgat 300
 gcacggggcgc aacaacggca agaaggatcat ggctgtccgc atcatcaagc ataccctgga 360
 gatcattcac ctgctcaccg atgccaaacc catccaggtc gtcgtcgacg cgatcatcaa 420
 cagtggaccc cgtgaggatg ccacccgtat tggttccgct ggtgttgtga ggaggcaggc 480
 cgtggatata tcacccctga ggagggtgaa ccaggccatc tacctcctca ccaactggtgc 540
 cagggagagt gctttccgga acatcaaaac cattgccgag tgcccttcag atgagctgat 600
 caacgctgcc aagggtcat ccaacagtta cgccatca 638

<210> 11076
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-B1
 <400> 11076

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 cgagatgcta tcgccaaatc aagaacaagc cataccccaa gtccaggtag tgccgtggtg 120
 tccctgaccc caagattagg atctacgatg ttggcatgaa gagaagggtg ttgatgagtt 180
 tcccctactg tgtgcacctt gtctcttggg agaaggagaa tgtctccagt gaggctcttg 240
 aggctgcccc tattgcctgc aacaagtaca tgaccaagtc tgcaggaaag gatgccttcc 300
 accttcgggt ccgggttcac cccttccatg tccttcgtat caacaagatg ctttcgtgtg 360
 ctggggctga taggctccag actggaatga ggggtgcctt tggcaagcct cagggcacct 420
 gtgctagggt ggacattggt caggtagctc tttctgttcg atgcaaggac aacaatgctg 480
 cacatgccag tgaagctctg cgacgcgcca agttcaagtt ccctggccgc caaaagatat 540
 tgagagcaga aagtggggct tcaccaagtt cagccgtgcc gacttacctg agtacaagag 600
 tgagggtaga attgttcctg atggtgtcaa cgcaaagctg ctccgtaacc a 651

<210> 11077
 <211> 641
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-B10

<400> 11077

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tgctccttgg tctttctgca agtgtgcta cggcgaccat tttcccgcaa tgctcgcaag 120
ctcctatagc ttcccttctt ccccgctacc tctcaccagc ggtgtcttcg gtatgtgaaa 180
acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat 240
cacccttggt cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat 300
tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag caacaactac 540
taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt 600
tgccgttcta ccagcacgct ggcctaacy ctggcaccc c 641

<210> 11078
<211> 654
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-117-Q6-K6-B11

<400> 11078

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ccttatgctc cttgggtctt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
acaagctcct atagcttctt ttcttcccc atacctctca ccagcgggtgt cttcagtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag gcattcttacc 240
tttatcccc ttgttctctc aacaaccgtc agccctatta cagcagttac ctttgggtgca 300
tttgttggca caaaacatca aggcacaaca actacaacaa cttgtgctag gaaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat tgaactctgc 420
tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc ccagcaatt 480

tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag ccctgttgcc ttcttgacac aacaacagtt 600
 gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacaac tgca 654

<210> 11079

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B12

<400> 11079

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 tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc tgctgcttat 120
 ttacaacaac aacaactact accattcagc cagctagcta ctgcctactc tcagcggcgg 180
 cagtttcttt tttttaacca attggccgca ctgaaccctt ctgcttattt ccagcagcaa 240
 atactactac catttgGCCa gctagctaca acaagcccca cttccttttt gaaacaacaa 300
 caattgcttc cgttctacca gcagtttgtg gctaaccctg caaccctctt acaactgcaa 360
 cagttgctgc cttttgtcca acttgctttg acaaaccag cagccttcta ccaacaacac 420
 atcattggcg gtgccatctt ttagattgct tattagttgt aattcaataa tgaagttttt 480
 tggctgatgt atgtggcctc ctagaataa gaagtt 516

<210> 11080

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B2

<400> 11080

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 ccctccttgc gcttcttgcg ctttttgcga gcgcaacaaa tgcgtccatt attccacaat 120
 gctcacttgc tctagttcc attattccac agttcctccc accagttact tcaatggcct 180
 tcgaacaccc agctgtgcaa gcctatagge tacaacaagc gattgcggcg agcgtcttac 240

aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg gtgaaccctg 360
tcgcctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagttg 420
caaaccagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
tgaaccctgc cgcctaccta caacagcaac aactgcttcc atctagcccg ctgcgtgtgg 540
ccaatgcacc tacatactg caacaagaat tgttgcaaca gattgtacca gctctaactc 600
agctagctgt ggcaaaccct gttgcctact tgcaacagct gctt 644

<210> 11081

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-B3

<400> 11081

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acagttcctc ccaccagtta cttcaatggg ctacgaacac ctagctgtgc aagccaacat 120
gcaacaacaa gcgcttgagg cgagcgtctt acaacaacca attgccaat tgcaacaaca 180
atccttgcca catctaacaa tacaagccat cacaacgcaa cagcaacaac agttcctacc 240
agcactgagc cacctagcca tgggtgaacc tgccgcctac ttgcaagagc agctgcttgc 300
atccaaccca cttgctctgg cgaacgtagt tgcaaaccag caacaacaac agctacaaca 360
gtttctgcca acgctcagtc aactagccat ggtgaaccct gccgcctacg tacaacaaca 420
acaactgctt tcacttagcc cgctcgctgt gggcaatgca cctacatacc tgcaacaaca 480
attgttgcaa cagattgtac cagctctgac tcaactagct gtggcaaacc ctgttgccca 540
cttgcaacag ctgcttncat tcaaccaact gactctgtcg aactctgctg cgtacctaca 600
acagcgacaa cagttactta atccattgtt agtggctaac 640

<210> 11082

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B4

<400> 11082

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ttgaaaaaa 180
aaaaaagggg gggggtgttt ttagggggat tttttttttt tttggggggg gttaaggggg 240
ttattttttt tttttggggg gaaaataatt aaattggggg ggggggggtt taaaaaaggg 300
ggggggggga aaaaaggggg ggggataaaa attttatttt ttttgaaaaa aatttttttt 360
tagggggggg gaaaaaaga aggggggggtg gaagtttttt tttttaaaaa gggggggggg 420
ttttgtgggg aggggggggtt tttttttttt tgggtattta tttagggggg gggggggggt 480
ttttatttgg ggggg 495

<210> 11083

<211> 90

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B6

<400> 11083

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cgcgccgccg ccgcgcctca ctgtgctcgc 90

<210> 11084

<211> 652

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B8

<400> 11084

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cagtatcgag cgatttaccg atccgattgc tagggtttag tttcgaaaaa gaactctgaa 120
aaaaattctg gtcgagggga ggagacgatg gcagcgcaag tggcggcggg ggtgggtgcc 180
aatgggagcc cgggcgctgt ccccgcggtg gtgtcgccgg gagcggtcgg cgtcggactc 240
ggcgtggcgc agccgctccc gaccacgtcg ctctacgtcg gcgacctgga ggggtccgtc 300

tcggactcgc agctgtacga gctcttcagc caggcggggc aggtggtgtc ggtgcgcgtc 360
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 ttggatgctg caagggcatt ggaagtgtg aactttgtc ctcttaacaa caaacctatc 480
 cgggtgatgt attcaaaccg tgatccaagt agccgcagga gtggatctgc taacattttc 540
 ataaagaatc ttgacaagat gatagacaat aaatcccttc atgagacctt ttcttcattt 600
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<210> 11085

<211> 660

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-B9

<400> 11085

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 cttgctccga gtgccattat tccacagttc ctccctccag ttacttcaat gggcttcgaa 180
 caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt cttagaacaa 240
 ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 300
 cagcagcaac aagcactgag ccacctagcc gtggtgaacc ctatcgcta cttgcaacaa 360
 cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca acaacaacaa 420
 cagttgcaac agttttctacc agcgtcagt caactagcca tgggtgaacc tatcgctac 480
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 ctgcaacaac agttgttgca acaacagttg ctgcaacaaa ttgtaccagc tcttactcag 600
 ctagctgtgg caaacctgc tgcctacttg caacaactac ttccattcaa ccaactgact 660

<210> 11086

<211> 647

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C1

<400> 11086

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cttgggtcttt ctgcaagtgt tgctaccgan accattttcc cacaatgctc acaagctcct 120
atagcttccc ttcttcccc atacctctca ccagcgggtgt cttcaatgtg tgaaacccca 180
attgttcaac cctacaggat ccaacaggca atcgcaacag gcattctacc attatcacc 240
ttgttctcc aacaaccgtc agccctatta cagcagttac ctttgggtcca tttgggtggca 300
caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc tgcatactct 360
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caacaacaat taccattcag ccagctagtt gctgcctacc ccagcaatt tcttccattc 480
aaccaactag cagcattgaa ctctgctgct tatttacagc agcaacaact actaccattc 540
agccagctag ctgatgtgag ccctgctgcc ttcttgacac aacaacagtt gttgccgttc 600
tacctgcacg ctatgcctaa cgctggcacc ctcttacaac tgcaaca 647

<210> 11087

<211> 118

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C10

<400> 11087

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agttttttgg atgatgtatg tggccaacca gaaataagaa gttacatttc cagattct 118

<210> 11088

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C11

<400> 11088

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gccaacgagg accgtgacg gccattatg cacctaccga cgaccacctt caaactgccg 120
agggagaagg atatacccaa gcggaggggca ccgaccaagt gggagctgag aggaaaggcg 180

aaaggaatta ccaagcgcaa aaagaacaag cgggagggga atgagcaaac

230

<210> 11089

<211> 650

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C12

<400> 11089

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cgctcaaadc tcccctccca atggcacccc gtcgctcacg atcaaataatt tcctccccta 120

taagtgaag atcgccaacg aggagataatt gatggcgcta ttggtggacc cacctgacat 180

ggggagggag atgcttattg agatgcacca tctgctgcgg cgtaggcac gcagacggcg 240

tggccgccgg attggccggt ggacgggcgc tcgctcaatc ctccatcgcc gccctatat 300

cagtctagta tgtgagtcac attgattttt ataatcgatt ttatgcgcca gttcttgctt 360

cgactaatgg gtcctcttcc attttgtaat cacctctgca tgtttactgt atcacttttg 420

taaattacta ttgttccatg ttgtcttcca caacatactg ggctgggttca gcggttagtt 480

tcctattcaa ccatttcgta atgaaggagg tattggtttt taggtaaata tttatttatg 540

attgtgctgg tattatctca ataggctggg aaaatttaaa taacctcata tgacataaat 600

ctcaactgcc catgcactct tagttgttgc tttgaaccgg tctttcattg 650

<210> 11090

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C2

<400> 11090

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ttttacgtnc gggtagattt ggaaagaaaa ttatgtacct ttacctggtg cagacgagag 180

agtttnaata ttaaaggcac atgctcgtag caagcccatc ttgtatgatg ttgatttgga 240

tgcacttggt cgttgtgctg agtgcaacaa tatgactggg gccgagttag tattattggt 300
 gaatgaagta gncatggtat tactggaaga gagatggaat taggtgataa ggggacatta 360
 tgaatgagtt agtgtagtta gattgagatg ttgtagtttt gaacatgggtg tatagaaaga 420
 ttaagtgatt agttatttga aa 442

<210> 11091

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C4

<400> 11091

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 gctcctatag ctccccttct tccccatac ctctcaccag cgggtgtcttc aatgtgtgaa 180
 accccaattg ttcaacccta caggatccaa caggcaatcg caacaggcat cttaccatta 240
 tcacccttgt tctccaaca accgtcagcc ctattacagc agttaccttt ggtccatttg 300
 gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgca 360
 tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct 420
 tatttgcaac aacaattacc attcagccag ctagtgtgct cctaccccc gcaatttctt 480
 ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca acaactacta 540
 ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca acagttgttg 600
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<210> 11092

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-C5

<400> 11092

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ggcgaccaag aattttccct tcttatgctc cttgctcttt ctacatgtgt tgntaacgcg 120
 acaattttgc ttgaatgctc acaagctcct atagcttccc ttattgcacc ataccttcca 180
 tcaattatag gttgaggatg tgaaaactta tttatttaac catataggct taaacaagaa 240
 atgggaggaa gcaacatacc tttatcgaaa ttgatgataa aacaatgatc agatgtatat 300
 ttggtgcaat gattggtat 319

<210> 11093

<211> 627

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C6

<400> 11093

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 gactagatgt tctagaagga ctaaacgaga agataagaaa gcgtttcaag acaccgaagt 120
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<210> 11094

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11094

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 ccatacaaac catcgcaaca caacagcaac aacagttcct accagcactg agccaactag 360
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 gccctctcgt tgtgggtaat gcacctacat acctgcaaca acaattgctg caacagattg 600
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<210> 11095

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-C9

<400> 11095

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<210> 11096

<211> 630
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 11096

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tatagcttcc cttcttcccc catacctctc accagcgggtg tcttcaatgt gtgaaacccc 180
aattgttcaa ccctacagga tccaacaggc aatcgcaaca ggcatcttac cattatcacc 240
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<210> 11097
<211> 662
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 11097

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<210> 11098

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D11

<400> 11098

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 cccaattctt caaccctata ggatccaaca ggcaatcgca gctggcatct tacctttatc 240
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 accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacaattggt 600
 gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactgc aacaattgct 660

<210> 11099

<211> 655

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D12

<400> 11099

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accattcagc cagctagctg gtgtgagccc tgetaccttc ttgacacaa cacagttggt 600
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<210> 11100

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D2

<400> 11100

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<210> 11101
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-D3

<400> 11101

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<210> 11102
 <211> 595
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-117-Q6-K6-D4

<400> 11102

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<210> 11103

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D5

<400> 11103

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<210> 11104

<211> 657

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D6

<400> 11104

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<210> 11105

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D7

<400> 11105

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t 661

<210> 11106

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-D8

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<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E1

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<210> 11108

<211> 649

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<210> 11109

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<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E3

<400> 11109

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<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11110

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<210> 11111

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 <212> DNA
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cacatcatcg cgccggagat catcaagacc gacgtcgcg acttcgggga cctcgtgcag 240
cggtcaccg gcaagcctgc ttcctgtgcc gccagcagca cgggcgacga cgacgtcgcg 300
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ccgaggccgg caccgcctcc ggcggccggt gatgagagga gcgacttcac caaggcacia 420
  
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gaggagccgg tcaagaagag gaagatcaag tgcgaggtga aggtggagga gcaaggagct 480
 ggcttcggcg attacgacct cggccgcggc gacctgtgga tggatctcaa cccgggaggg 540
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<210> 11113

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E7

<400> 11113

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 caagctccta tagcttcctt tcttccccca tacctctcac cagcgggtgc ttcagtatgt 180
 gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagcagg catcttacct 240
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 gcctactctc agcaacagca gtttcttcca ttcaaccaac tggctgcatt gaactctgct 420
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 ccaccattca gccagctagc tgatgtgagc cctgttgctt tcttgacaca acaacagttg 600
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<210> 11114

<211> 641

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E8

<400> 11114

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 ccagaattct ctagtgaaaa cgcaagtggg aataatatgc tggacattct cctcctcttg 240
 gtcacaaaca cacatttattg aggggtgtggg agaccttttt tttgctagcc ggtcagccat 300
 ccagcaccta tttctaattg ctagccagga tgattttgca ctttgctgga gcacagggtt 360
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 ttcacatttt gtttcaacta ttttgaacag gtgaagtagc aaagttattt tcagacgcgg 480
 gccttgatg tattgcaagt ttgatatctc catataggag agaccgtgaa tcttgccgtg 540
 cattgttacc ggatggtagc tttattgaag ttttcttgaa tatgtccttg gaattatgtg 600
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<210> 11115

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-E9

<400> 11115

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 gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
 tgaaaacca attcttcaac cctacaggat ccaacaggca atcacagctg gcattctacc 240
 tttatcacc ttgttctcc aacaatcatc agccctatta catcagttac ctttggtgca 300
 tttattggca caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
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 atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540
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<210> 11116
 <211> 628
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-F1

<400> 11116

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aagccatcac aacgcaacag caacaacagt tcctaccagc actgagccac ctagccatgg  180
tgaaccctgc cgcctacttg caagagcagc tgcttgcac caacccaatt gctctggcga  240
acgtagtgtc aaaccagcaa caacaacagc tacaacagtt tctgccaaag ctcagtcaac  300
tagccatggt gaaccctgcc gcctacgtac aacaacaaca actgctttca tctagcccgc  360
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ctctgactca actagctgtg gcaaaccctg ttgcctactt gcaacagctg cttccattca  480
accaactgac tctgtcgaac tctgtgcgt acctacaaca gcgacaacag ttacttaatc  540
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acaaccagtt ctttttgatg aatcctgt                                     628

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<210> 11117
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F11

<400> 11117

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tttcatcgtc ctgcacggga ttggggacca gtgcgccaac catggcggtg ccaagttcac  180
taaacttctc gccgattggt cgggctccga cggctactgc ctagagattg gcagaggaaac  240
atgggactct tgggtcatgc ctcttcaaca acaggctgat ataatctgca acaagggtcaa  300
ggaaatgaaa caactgagag gtggctacaa catagttggt ctgtctcagg ggaacttgat  360

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tggtcgagca gtggttgagt actgtgatga tggaccgccg gtcaagaatt tcattctctct 420
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 tattgttgat gctctgatta aattggagat ctactcagac tatgtgcagg aacatcttgc 540
 acctagtggc tacctcaaaa tcccaactga tatggcagat tatctgaaga gttgtaggtt 600
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 tagc 664

<210> 11118

<211> 541

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F12

<400> 11118

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 taccactcat actaccaaaa taatccatgc agcagcaatg acattagtgg tgtgggcggg 180
 tgaagaattt tttttaccta gccgttatac tcctataacg gtgttaagca ataaagtacc 240
 atacattaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaggaaaaaa atataaaaaa aaaaaaaata aaagaaagtt tgaaaagaaa 360
 aaaaaataat tatttatata gagaaaaata aaattaaaaa aaaaaaaagg ggggggtggc 420
 ttttgggggg aaaggtttta accctggggg tgcccaacta aatggttttt ttttggggcc 480
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 g 541

<210> 11119

<211> 676

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-F2

<400> 11119

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 ggcgagcgtc ttacaacaac caattgccca attacaacaa caatccttgg cacatctaac 180
 catacaaacc atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc 240
 tgtggtgaac cctgtgcctt acttgcaaca gcagttgctt gcacccaacc cacttgctct 300
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 cctctctgct gtggttaatg cacctacata cctgcaacaa cagttgctgc aacagattgt 480
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 attcaaacaa ctgactgtgt cgaactctgc tgcgtacctt caacagcgac aacagttact 600
 taatccacta gcggtggcta acccattggg cgttgccctt ctacagcagc aacaattgct 660
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<210> 11120
 <211> 267
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-F3
 <400> 11120

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 caacagttgc tgcccttctg ccaacttget ttgacaaacc cagcagcctt ctaccaacaa 180
 cacatcattg gcggtgccct ctttttagatt gcttattagt tgtaattcaa taatgaagtt 240
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<210> 11121
 <211> 657
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11121

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 cttgggtcgac ggaggattta ctatgatacc agttgtggtg aagctctaat ttgcagtgat 180
 agtgaagatg aagccattga agatgaggag gaaaaaaagg aatttaaaca ttctgaagat 240
 cacattattc ggatgacagt tcaagaatgt ggcattgtctg atgctgtact gcaaacgcta 300
 gctcgacaca tggagcgggc tgctgatgac ataaaggcca ggtatgaaat tctgcatggc 360
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 aaacaccagc ttggagtggc gttgatgaca gtgtaccctg tggatttcat tgccataaac 600
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<210> 11122

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11122

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 caacgacgag atgcgcgtca aggtggccga cttcggcacc tcttgcttgg agaccaagtg 180
 ccaggccacc aagggcaaca agggcaccta ccggtggatg gcgcccggaga tgaccaagga 240
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accggtgcat gcgtgatcca tctcttggtt caccttcttc cttccgtaaa ctgagtgt 659

<210> 11123

<211> 664

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-F8

<400> 11123

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tatattccat ctttatgttc cttgtctttt ctgcatgtgt tgctaacgcg accatttttc 120

catcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180

gcttttagtat gtgaaaaccg agcccttcaa ccctacagga tccagcaagc aatcgcaaca 240

agcaacttac ctttatcaca cctgttcttt caacaatgcg cagccctatc tttggtgcag 300

tcattggtac aaaccatcag ggcagaacag ttgcagcaac tcgtgctacc agtgatcagc 360

caagtatctc tggcaaacct tccccctac tctcagcaac aacaatttct tccattcaac 420

caactgtcta tactgaacct tgctgcttat ttgcagcaac aacaactact accattcagc 480

cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540

ctgaaccctt ctgcttattt ccagcagcaa atactactac catttggcca gctagctaca 600

acaagccccg cttcttctt gacacaacaa caagtgttc cgttctacca gcagtttgtg 660

gcta 664

<210> 11124

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-F9

<400> 11124

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gttacctttg gtccatttgg tggcacaaaa catcagggca caacaactac aacaacttgt 180

gctagcaaac cttgctgcat actctcagca acatcagttt cttccattca accaactggc 240

tgcattgaac tctgctgctt atttgaaca acaattacca ttcagccagc tagttgctgc 300
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acagcagcaa caactactac cattcagcca gctagctgat gtgagcctg ctgccttctt 420
gacacaacaa cagttgttgc cgttctacct gcacgctatg cctaacgctg gcaccctctt 480
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ccaacaaccc atcattggtg gtgcctctt ttagattgct tatgagttat agttcaataa 600
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<210> 11125

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-G10

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cctatagctt ccttctcttc ccctacctc tcaccagcgg tgtcttcaat gtgtgaaacc 180
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gcacaaaaca tcagggcaca acaactacaa caacttgtgc tagcaaacct tgctgcatac 360
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ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca actactacca 540
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<210> 11126

<211> 525

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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gttggtgccc ttctaccagc acgctgcgcc taacgctggc acctctttac aactgcaaca 360
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cattgggtggg gccctctttt agattttctta tgagttatag ttcaataata aagttttttg 480
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<210> 11127

<211> 630

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-G12

<400> 11127

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tgatccgggc gacgccaaga acgcgcacct ggcggcgatg gacggcgccg gggaccggct 180
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<210> 11128
 <211> 629
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 11128

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 <211> 608
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 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-G3

<400> 11129

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ggtgcacggc gctgagcatc ctcatggacg gcgcgatccc gccgggcccg gacgcgcagc 360
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<210> 11130
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-117-Q6-K6-G4
 <400> 11130

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<210> 11131
 <211> 638
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-G5

<400> 11131

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<210> 11132

<211> 652

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-G6

<400> 11132

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gctcctatag ctcccttct tccccatac ctctcaccag cgggtgtctt aatgtgtgaa 180
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<211> 645

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-G8

<400> 11133

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ttcgaacacc tagctgtgca agcctacagg ctacaacaag cgcttgcggc gagcgtctta 240

caacaaccaa ttaaccaatt gcaacaacaa tccttggcac atctaaccat acaaaccatc 300

gcaacacaac agcaacaaca gttcctacca gcaactgagcc aactagatgt ggtgaaccct 360

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gcataccaac aacaacaaca attgcaacag tttctgccag cgctcagtca actagccatg 480

gtgaaccctg ccgcctacct acaacagcaa caactgcttt catctagccc tctcgttgtg 540

ggtaatgcac ctacatacct gcaacaacaa ttgctgcaac agattgtacc agctctgact 600

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<210> 11134

<211> 605

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H1

<400> 11134

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tgtccaactt gctttgacaa acccagcagc cttctaccaa caacacatca ttggcggtgc 180

catcttttag attgcttatt agttgtaatt caataatgaa gttttttggc tgatgtatgt 240

ggctcctag aaataagaag ttacatttcc aaatttctaatt gtgctattgg cctgcaaggg 300
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
 aaaaaaaaaa aaaaaaaaaa aannnnnnnn naaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aaaaaanaaa aaaaaaaaaa aaaaaaaaaa aaaaaaannn nnaaaaaaaaa aaaaaaann 540
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<210> 11135
 <211> 657
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11135

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 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
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 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
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 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
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<210> 11136
 <211> 602
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H11

<400> 11136

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ccatctgtgt ttttgattga aggtcgtctt gtgtcagttg ttagtgctgt gttcatctc 480
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aa 602

<210> 11137

<211> 514

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H2

<400> 11137

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acatacctgc aacaacagtt gttgcaacaa cagttgctgc aacaaattgt accagctctt 180
actcagctag ctgtggcaaa ccctgctgcc tacttgcaac aactacttcc attcaaccaa 240
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cagttctctt tgatgaacct tgccttgctg tggcagcaac ccacggttgg tggtgccatc 420
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<210> 11138
 <211> 645
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-117-Q6-K6-H3

<400> 11138

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gaccgtggag ggaaggccat ccgaccagct gggcaggaga aacctcactg acagccccgt 180
atttgacggc cgtggccctg acgccagcct cgtggctcgc gtacaggag tgcctacca 240
gatgggagac gtgcgccagt tgtacaccgt cgtgttcag gagaggccgc tcaagggtc 300
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<210> 11139
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 11139

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tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact 180
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tgctgectac cccagcaat ttcttccatt caaccaactg gcagcattga actctctgct 300
  
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ttattttacag cagcaacaac tactaccatt cagccagcta gctggtgtga gccttgctac 360
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 cctcttaciaa ctgcaacaat tgctgccatt caaccaactt gccttgacaa acccagcagc 480
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<210> 11140

<211> 543

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H5

<400> 11140

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 agccaccaag ctgaggatcg caagcttcgt ccacggttca gacggcctgn gaaaccagga 480
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<210> 11141

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H6

<400> 11141

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<210> 11142

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-117-Q6-K6-H7

<400> 11142

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<210> 11143

<211> 634

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-H8

<400> 11143

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gatgcttggc ttccgtggct gcaggcttgg tatatcgta cctgagctaa cagaaatgca 600
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<210> 11144

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-117-Q6-K6-H9

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gaacagatta gtcaaatttt gtggtgttta gacttctgac ctccgtttgt gcatagctca 300
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409

<210> 11145

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-A10

<400> 11145

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cctttatcac ccttggtcct ccaacaatca tcagccctat tacatcagtt acctttgggtg 300

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gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480

caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540

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c 601

<210> 11146

<211> 631

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-A12

<400> 11146

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cttcttcccc catacctctc accagcgatg tcttcagtat gtgaaaatcc aattcttcta 180

ccctacagga tccaacaggc aatcgagca ggcattctac ctttatcacc cttgttctc 240

caacaatcat cagccctatt acagcagtta cctttgggtgc atttattggc aaaaacatc 300

agggcacaac aactacaaca actcgtgcta gcaaaccttg ctgcctactc tcagcaacag 360
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<210> 11147

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-A2

<400> 11147

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 ccaacaaccc atcattgggt gtgcctctt ttagatttct tatgagttat agttcaataa 420
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<210> 11148

<211> 516

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-A3

<400> 11148

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<210> 11149
<211> 599
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11149

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aaccaagtag ctctggcaaa ctttctccc tactctcagc aacaacaatt tcttccattc 420
aaccaactgt ctacactgaa cctgctgct tatttgagc aacaactatt accatttagc 480
cagctagcta ctgctactc tcagcaacaa caacttcttc catttaacca attggccgca 540
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<210> 11150
<211> 638
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-K6-A9

<400> 11150

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<210> 11151

<211> 599

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B1

<400> 11151

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tgcatgatcg tcgccggcac gctcaccaac aagatggctc cggccctccg caaggtttat 420
gaccaaatgc ctgagcctag gtgggttatt tcaatgggca gctgtgcaa cgggtggtgga 480
tactaccatt actcctactc tgtgtacgt ggatgtgacc gtatagtccc tgtggacatc 540
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<210> 11152
 <211> 499
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-B10

<400> 11152

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 ctggacttac agagtcacgc gtaatcacia ccattggggt tgttaaaggt gcaccagata 180
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 tccgcttgaa agaaatgact tacgaatact gggaccttca ttgccatcgt gttggatatg 420
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<210> 11153
 <211> 597
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-B11

<400> 11153

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 cgctgccgcc ggcccggccg ccgcgcagaa ctgcggctgc cagcctaact tctgctgcag 180
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 cgagggcaag aacttctaca cccggagcgc gttcctgagc gccgtcaaca agtaccggg 420

cttcgccccat ggcgggacgg aggtggaggg caagcgcgag atcgccgcct tcttcgcgca 480
 cgtcacgcac gagaccggac atttctgcta catcagcgag atcaacaaga gcaacgccta 540
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<210> 11154

<211> 597

<212> DNA

<213> Zea mays

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<400> 11154

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 gtgtgtaagt gctaattgat tttactgcta tcacagcttc tctacaggaa gtacagtgga 180
 aacttccttg ttaaccttct tgggaagtgg aaggagtctg aatactctgg ccattctatt 240
 cctgttggtg gtcttgctta ctatgtaact gccccatcaa ggtgaaaatc tagttccttc 300
 agtggggact ggggaggcct tctcgccatg atcatttttg ttgtttttgt tattcaataa 360
 ttaggtattc ttttgactaa caatagcaca ttggaaacca cacagtttgg ctgatgtcct 420
 tgcaaatcca ttccatgcac tgttttatgt ggtcttcatg ctgtcagcct gtgctctgtt 480
 ctcaaagaca tggattgaag tttctggttc atcagcaaag gatgttgcta agcagctcaa 540
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<210> 11155

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-B2

<400> 11155

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 aaaaatgtca tgaattccta aggcagcagt gcagcccttt ggtaatgcct tttctccaat 180
 cacgtttgat acaaccaagt agctgccagg tattgcagca acaatgttgt catgatctta 240

ggcagattga gccacaatac attcaccaag caatctacaa catggttcaa tccataatcc 300
aggaggagca acaacaacaa ccatgtgagt tatgtggatc tcaacaagct actcaaagtg 360
cgggtggcaat cttgacagca gcacaatacc taccatcaat gtgcggcttg taccatcat 420
actaccaaaa taatccatgc agcagcaatg acattangtg gtgtttgcaa ttgaagaatt 480
gtgtctacct agccgttata ctcatataac ggtgttaagc aataaagtac catacattat 540
gatgtttgta ctatgatatt tgaataagaa tactaattgt aattataatg ctacct 595

<210> 11156

<211> 580

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B3

<400> 11156

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ctggttcttc ttggagatgt aggcgctggc aaatctagct tggttcttcg gtttgtcaag 180
ggacagtttg ttgaattcca ggaatcaaca atcggagcag ctttcttttc ccagacctta 240
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catagcttgg ccccatgta ttataggggt gcagccgcg ccattgttgt ctatgacatc 360
acaaatccgg cctccttcac ccgtgccaaag aaatgggttc aagaacttca agctcaagga 420
aatccgaata caatagtggc tcttgctggt aacaaggttg atatgctaga tgcgaggcac 480
gtggcagtag aggaagcaaa gacgtatgcc caggagaacg gtctcttctt catggagaca 540
tctgctaaaa ctgcaatcaa tgtgaatgac atattttatg 580

<210> 11157

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-B4

<400> 11157

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atcgtctaaa atctcataag gttcaacttc aacaaaagat caagcaagag tctgaacagt 120
 ttaggtcttg gaaggctgcc cgtgaaaagg aagtacttca gctcaagaag gaagggagac 180
 gaaatgaata tgagatgcac aagctcttgg ccttaaatac gaggcagaag atggtcttac 240
 agaggaaaac tgaggaagca gctgctgcta caaaaagatt gaaggagtgt ctggaagcaa 300
 agaagtcatac acgggaaaca tatggcagtg caaatgggtc ggggatgcag gccttaatac 360
 gagctattga ggatgaacta gaagtcactg taagagcaca cgaattgcgc tcatattacg 420
 agcgacaaat gcaagagaga gcagcaatat ccaaggaaat agcaaaacta aaggaggaat 480
 caaagcacia gatcagtgat tgtcctcaag ctatgtcacc tagtgctaga agttctagga 540
 tatcagcatt agagaatatg ttgtgctcat catctagtgc tatggatatc atggcttctc 600
 aactgtcaga agcagagagc gggagcgtgt attcatgc 638

<210> 11158
 <211> 562
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-B5
 <400> 11158

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 ggaagctgtc atgcacataa aagctgctgt agatgctagg aaagagagtg gctctgacat 180
 tgttattgta gcaaggacag attctcgcca agctatttct catgatgaag cattatggag 240
 ggtgaaagca ttgctgatg ctggagcaga tggtctatct attgatgcc ttgcttcagt 300
 agaagagatg aaagcatttt gtgcggttgc accagaagtt ccaaagatgg caaacatgtt 360
 agaaggtggt ggtaaaactc ccatattgag ccctgctgaa cttgaggaaa ttggtttcag 420
 gcttgtagta taccctttat ccttagttgg ggtatcaatg cgtgcaatgc aggatgctct 480
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 caaggataca ttgggtttca ac 562

<210> 11159

<211> 628
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-B9

 <400> 11159

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ccattattcc acaatgctca cttgctccta gttccattat tccacagttc ctcccaccag 180
ttacttcaat ggcttctgaa caccagctg tgcaagccta taggctacaa caagcgattg 240
cggcgagcgt cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
caatacaaac catcgcaacg caacagcaac aacagttcct accagcactg agccacctag 360
ccatggtgaa cctgtgctgc tacttgcaac agcagctgct tgcattccaac ccacttgctc 420
tagcaaactg agttgcaaac cagcaacaac aacaactgca acagtttctg ccagcgctta 480
gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
gcccgtcgc tgtggccaat gcacctacat acctgcaaca agaattgttg caacagattg 600
taccagctct tactcagcta gctgtggc 628
  
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<210> 11160
 <211> 568
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-K6-C1

 <400> 11160

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cctagtcca ttattccaca gtctctccca ccagttactt caatgggctt cgaacatcca 180
gccgtgcaag cctacaggct acaactagcg cttgcggcga ggccttaca acaaccaatt 240
gccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
caacaacaac aacagtttct gccatcactg agccacctag ccgtggtgaa cctgtgcacc 360
tacttgcaac agcagctgct tgcattccaac ccacttgctc tggcgaacgt agctgcatac 420
  
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cagcaacaac aacagctgca acagtttatg ccagtgctca gtcaactagc catggtgaac 480
cctgccgtct acctacaact actttcatct agcccgtctg cgggtgggcaa tgcacctacg 540
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<210> 11161

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C10

<400> 11161

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tgtcacgccc ttcgggctta aaaattcttg aaggtcatta ctttctagct gatgctggtt 180
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ggtaacactt ttgacacaac aaggtctatg gtaatcatat cagaatcaga gaaggaaaaa 420
ctaaaggata gagcaaggag gtcctttca aagcccatca aattcttcaa tgaaatgtag 480
gagctattcc ttgacagtag tgctgatgga tctcttgcca tggatgctac tacttgcccta 540
aatgaaagtc aacctgtcga tgataatgat aatgatgatg acatatgcaa tgatgtctcc 600
aac 603

<210> 11162

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C11

<400> 11162

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cgaacacca gctgtgcaag cctataggct acaacaagcg cttgcggcga gcgtcttaga 120
acaaccaatt gcccaattac aacaacaatc cttggcacat ctaaccatac aaaccatcgc 180

aacgcagcag caacaagcac tgagccacct agccgtggtg aaccctatcg cctacttgca 240
acaacagctg cttgcatcca acccaattgc tttggcaaac gtagctgcat accaacaaca 300
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ggtggctaac ccattggtcg ctgccttc 628

<210> 11163
<211> 593
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-C12
<400> 11163

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ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact cgtgctagca 180
aaccttgctg cctactctca gcaacagcag ttacctttgg tgcatttggt ggcaaaaaac 240
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caacagtttc tgccattcaa ccaactagct gcattgaact ctgctgctta tttgcagcaa 360
caacaactac taccattcag ccagctagct gctgcctacc cccggcaatt tcttccattc 420
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tacctgcaca ctgcgcctaa cgttggcacc ctcttacaac tgcaacaatt gct 593

<210> 11164
<211> 51
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C2

<400> 11164

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<210> 11165

<211> 601

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C3

<400> 11165

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caccctgcc cggatccgat ggccaacagc aacctccgc ggcgatcat caaggagact 180

cagcggctgc tcagcgagcc agcacgggg atcagcgct cgccctcgga ggagaacatg 240

cgctacttca acgttatgat ccttgggccc ggcagtcgc cctatgaagg tggagttttt 300

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<210> 11166

<211> 589

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C4

<400> 11166

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atgtcacaa gtcctatag cttcccttct tccccatac ctctcaccag cgggtgtctt 180

aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg caacaggcat 240
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 ctctgctgct tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca 480
 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 540
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<210> 11167

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-C5

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 aatttctact gttgttggag ccagcgctgt ttctggattc tttgcctcag catgcagttt 480
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<210> 11168

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C6

<400> 11168

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ccgggaacac tgacgagctc agcatgcagg ttttctgccc ggtgtttggc tcatcacagc 540
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<210> 11169

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-C7

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gccccgagaa gatccgcac cagaagtggg acaacatcta caaggaccac atcacctca 180
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ctctctccct ctgctcaggt tgggtctgaat tctgaagtca tgggtgcaat tcgcttcgcg 300
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cgtgccaaac tatcagtgac cactgccagc tttgcaatac gttgttgat ggtcaacctg 420
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<210> 11170

<211> 629

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-C8
 <400> 11170

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 cccagagcat gtatggcctc tcgggtgcagg ttaactcgtc gtaccagact aagacggcgc 480
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<210> 11171
 <211> 567
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11171

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 gtcttttctgc aagtgtgtgt acggcgacca ttttccaca atgctcacia gctcctatag 120
 cttcccttct tccccgtac ctctcaccaa cgggtgtcttc ggtatgtgaa aaccaattc 180
 ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcaccttgt 240
 tctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcaciaa 300
 acatcagggc acaacaacta caacaacttg tgctagcaaa ctttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420

aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
 accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
 gccagctagc tgggtgtgagc cctgcta 567

<210> 11172

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D1

<400> 11172

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 caagatatta gccctccttg cgcttcttgc cctttttgtg agcgcaaca atgcgttcat 120
 tattccacaa tgctcacttg ctcttagtgc cattattcca cagttcctcc caccagttac 180
 ttcaatgggc ttcgaacacc tagctgtgca agccaacatg caacaacaag cgcttgcggc 240
 gagcgtctta caacaaccaa ttgccaatt gcaacaacaa tccttgccac atctaacaat 300
 acaagccatc acaacgcaac agcaacaaca gtctctacca gcaactgagcc acctagccat 360
 ggtgaaccct gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc 420
 gaacgtagtt gcaaaccagc aacaacaaca gtacaacag tttctgcaa cgctcagtca 480
 actagccatg gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc 540
 gctcgtgtg ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac agattgtacc 600
 agctctgact caactagct 619

<210> 11173

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D10

<400> 11173

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 ttaccctgaa aagctccgct atctgcttgg gttggaattc atgccagatt gtgggtgcaa 120
 acctgtttcc ttactaccta gtgtccaagt cggaatatta ataagctatg ccaggattca 180

gatcgaaata tttctgtctc tgagagatgt gttgctgac aacttttcga agactgttgc 240
 ctgaacaata tctgtgtgtt tatccctaga ctctaata gta caaacagagt cttatacagt 300
 actatgcatt aacgtcaagt ttcagagttc 330

<210> 11174

<211> 572

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D11

<400> 11174

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 gaagggttgc cttcaggcac tgaaagctag tgattggcac ttggaaggag cttttgactt 120
 cttctatagc caacctcagg tttctgtggt caatactcgg catcttgaag atattttcaa 180
 cagatataaa gaacctgatg ctgatatgat aatgggtggaa ggaatatctc aattttgcaa 240
 tgatctgcag gttgatcctc aggatattgt catgcttgctc atatcatggc acatgaaagc 300
 cgccacaatg tgtgaattta ctcgtcagga attcattggt ggactgcagt caattggggg 360
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 caataaattc cgtgatatat acaactttgc attcacttgg gcaagggaaa aggggtcaaaa 480
 gtctctctca ctggagactt ctattggaat gtggcagttg ctatttgctg aaaggaactg 540
 gcctcttctg gatcattggt gtcagttttt ac 572

<210> 11175

<211> 648

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-D12

<400> 11175

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 gccctccttg cgcttcttgc cctttttgtg agcgcaaca atgcgttcat tattccaca 120
 tgotcacttg ctcttagtgc cattattcca cagttcctcc caccagttac ttcaatgggc 180
 ttcgaacacc tagctgtgca agccaacatg caacaacaag cgcttgccgc gagcgtctta 240

caacaaccaa ttgccaatt gcaacaacaa tccttgccac atctaacaat acaagccatc 300
acaacgcaac agcaacaaca gtctctacca gcaactgagcc acctagccat ggtgaaccct 360
gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc gaacgtagtt 420
gcaaaccagc aacaacaaca gctacaacag tttctgcaa cgetcagtca actagccatg 480
gtgaaccctg ccgcctacgt acaacaacaa caactgcttt catctagccc gctcgctgtg 540
ggcaatgcac ctacatacct gcaacaacaa ttgttgcaac agattgtacc agctctgact 600
caactagctg tggcaaacc tgttgcttac ttgcaacagc tgcttcca 648

<210> 11176
<211> 388
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-D3
<400> 11176

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tcacgtttct cgtcgtgtgc ctggctctgt cagttgccag cgcctctgtc ttgcagatgc 120
cctgcccctg cgcggggctg ccgggcttgt nccggcgtgg cgcgggctg acttcgatga 180
tgggcgcggc cgggctttac cccttccgg agtacctggg gcagccgcag tgccgcccgc 240
tggcggcggc gcccttcttc cccgggtgtg ggcagcctgg cgccttgctc caccggttcc 300
ggtcactttg ctgcctgccg ccgttgagga tgatggcctt gcattccggt tcgcagcatc 360
tgctgttgat gttgctgttt gagcgtgc 388

<210> 11177
<211> 600
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-K6-D4
<400> 11177

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ccaagatatt ttcctcctt atgtccttg ctctttctgc atgtgttgct aacgcgacaa 120

ttttccctca atgtccacaa gtccttatag cttcccttct tcccccatat cttccatcaa 180
 tgatagcttc agtatgtgaa aaccagctc ttcagcccta taggctcaa caagcaatcg 240
 cagcaagcaa cataccttta tcacccttgt tgtttcaaca atcgccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac agcagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
 gccagctagc tactgcctac tctcagcaca acaacttctt ccatttaacc aattggccgc 540
 actgaacccc gctgcttatt tgcagcagca aatactacta ccatttagcc agctagctgc 600

<210> 11178

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D6

<400> 11178

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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 180
 acccatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt 240
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<210> 11179

<211> 613

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-D7

<400> 11179

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 gcgaggagacc aggggtaaag caaagcaaat ggcgaggaggc ccgagcaaga tcgaatccat 120
 gaggaagtgg gtcgtcgagc acaagctccg agccgtaggt tgcctctggc taggtgggat 180
 cagcagttcg atcgcttaca actggtcgcg gcccaatatg aagcctagcg tcaagatcat 240

ccacgcaagg ttgcatgctc aagctctaac cctggctgca ttagttggtt ctgcatgcgt 300
 ggagtactat gatcagaagt atggttcttc tgggccaag gtggacaaat acacaagcca 360
 atacctggcc cattcgcata aagattaaag gtcgccatgt tggttcctgc atgccggatt 420
 aattttgggc tcatctcggg ttgctcatga cccgcccatg gatgctggat gtttattctt 480
 tttttgtctt cataattaca aaatgggtgg gtacttgcca ggcaaagtgt aatgagggta 540
 taatgcagat attgtcgtcg taatttggcc tcatgttgca ttatctaacc tcactttgtt 600
 gactgtcagt gac 613

<210> 11180
 <211> 577
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-D8
 <400> 11180

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 ccattccgcc tctcggaaga gttgagagag gagtaaggaa ggcgaggacc tcgcgccccg 180
 cgatggggcg cgacctgtac gccctcgact tcgacggcgt cttgtgcgac agctgcgggg 240
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 ttgacgccgc catggaggag tggatagtgg agcagatgta cacccttcgt ccagtgggtg 360
 aaacaggata tgaaaactta ttgcttgtaa ggttgcttgt tgagatccag atacactctg 420
 ttcgaaaatc atcagttgca gatgggctta gcatccaaga aatattggag aactggtcaa 480
 aactgaagcc cactctcatg gatgagtggc aagaagatag ggaatctctt gtagatctct 540
 ttggccgtgt aagagatgac tggattgaaa atgattt 577

<210> 11181
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-D9

<400> 11181

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gcgaccaaga tattttccct ccttatgtct cttgctcttt ctgcatgtgt tgctaacgcg 120
acaattttcc ctcaatgtct acaagctcct atagcttccc ttcttcccc ataccttcca 180
tcaatgatag cttcagtatg tgaaaaccca gctcttcagc cctataggct ccaacaagca 240
atcgagcaaa gcaacatacc tttatcacc ttgttgtttc aacaatcgcc agccctatct 300
ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
gtgatcaacc aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt 420
ccattcaacc aactgtctac actgaaccct gctgcttatt tgcagcaaca actattacca 480
ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
gccgcactga accccgctgc ttatttgagc cagcaaatac tactaccatt tagccagcta 600
gctgcagcaa accgtgcttn cttcttgaca cagcacagtt gctgcctttc taccagcagt 660
ttgcg 665

<210> 11182

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E1

<400> 11182

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ccagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt acaacaacca 120
attgccaat tacaacaaca atccttgga catctaacca taaaaccat cgcaacgcaa 180
cagcaacaac aatttctacc agcactgagc caactagctg tggatgaacc tgtcgcttac 240
ttgcaacagc agttgcttgc atccaaccca cttgtctctg caaacatagt tgcataccaa 300
caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat ggtgaaccct 360
gccgcctacc tacaacagca acaactgatt tcatctagcc ctctcgctgt ggttaatgca 420
cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac tcagctagct 480
gtggcaaacc ctgctgcta cttgcaacag ctgcttccat tcaaccaact gactgtgtcg 540

aactctgctg cgtacctaca acagcgacaa cagttactta atccattagc ggtggctaac 600
ccattggtcg c 611

<210> 11183
<211> 644
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E12

<400> 11183

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ttgcgggcag cgtcttacia caaccaattg cccaattgca acaacaatcc ttggcacatc 180
taacaatata aaccatcgca acgcaacagc aacaacagtt cctaccagca ctgagccacc 240
tagccatggt gaaccctgtc gcctacttgc aacagcagct gcttgcattc aaccacttg 300
ctctagcaaa cgtagtgtga aaccagcaac aacaacaact gcaacagttt ctgccagcgc 360
ttagtcaact agccatggtg aaccctgccg cctacctaca acagcaacaa ctgctttcat 420
ctagcccgct cgctgtggcc aatgcaccta catacctgca acaagaattg ttgcaacaga 480
ttgtaccagc tctaactcag ctagctgtgg caaacctgtg tgctacttg caacagctgc 540
ttccattcaa ccaactaact atgtogaact ctgttgcgta cctacaacag cgacaacagt 600
tacttaatcc attggcagtg gctaaccat ttggtcgctg cttt 644

<210> 11184
<211> 487
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-E3

<400> 11184

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tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 180
ttgcagcagc aaatactact gccatttagc gagctagctg cagcaagtcg tgcttccttc 240

ttgacacaac aacagttggt gccgttctac ctgcacgcta tgcctaacgc tggcaccctc 300
 ttacaactgc aacaattgct gccattcaac caacttgctt tgacaaaacc aacagtgttc 360
 taccaacaac ccatcattgg tgggtgccctc ttttagattg cttatgagtt atagttcaat 420
 aatgaagttt tttggatgat gtttgtggcg tcccagaaat aagaaagtac atttctagat 480
 tctnana 487

<210> 11185
 <211> 252
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E5

<400> 11185

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 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttacctttt 240
 atcacccctt gg 252

<210> 11186
 <211> 387
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E6

<400> 11186

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 ctcttcgtc acgctcatgg agatgtcctt cgagtccttc atatactngg atccccatct 300
 ggtacgagct caagctgctg ttcacgcgtt ggctcgtgct cccaacttc agggcgcccg 360

ccttcaccta cgacaagttc gtgcgcg

387

<210> 11187

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E7

<400> 11187

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ttgttgcagt tgtaagaggg tgccagcggt aggcgcaccg tgctggtaga acggcaacaa 180

ctgtgggttgt atcaagaagg ttgcacgggt cacaccatat cgctggctgc ctggcagcag 240

cctcctgttg ctctctatta ccgggctgag tgggtctactg gcacctgcct tgttgcgga 300

tatttatcgc ggctgggtgg gcgtttcctc ccggatcgcc cgtttcactt gtcaaccccc 360

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<210> 11188

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-E8

<400> 11188

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ctggtcacgg gcgttaccta accgtctcag ccatgttccg tgggaagatg agcaccaaag 120

aggctgacga gcatatgatc aacgtgcaga acaagaactg gtactacttt gtgtgatgga 180

tccccaaaa ccagaagtcc agcgtgtgtg acatcccgcc gaggggcctg accatggcgt 240

ccaccttcgt ggggaactta acttctatcc gagagcatag cacggagggt gagcgagcat 300

ttctactgcc atgttaaaga agaaggcttt cttgtactgg cacacgggcg aagtcacga 360

cgatattgat ttcaccgagg ccctaagcac tatgaatgac ctagtgtctg actac 415

<210> 11189

<211> 336

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-E9

<400> 11189

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 gaagaactat gtgctgtagt atagccgctg gctagctagc tagttgagtc atttagcggc 180
 gatgattgag taataatgtg tcacgcacaa ccatgggtgg cagtgtcagt gtgagcaatg 240
 acctgaatga acaattgaaa tgaaaagaaa aaagtattgt tccaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnnnng 336

<210> 11190
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-F10

<400> 11190

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 tctctctccc gtgctgaccc tcgcttcgct tctgcttctt ctgttctac cttctctgtg 180
 ccgactcgat gtggtgnncc ctgtcgctg cttgcctctg cgggtgcttg cttcccaccc 240
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<210> 11191
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F11

<400> 11191

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cccaagaaac tgacgtacga gcagaggaag gccagtctca ttgaaaggct caaccaactc 180
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gtcgtgcaac atgcattttt gtttaagttt gtcgatgcga acaaagtgtt ttctgttagt 360
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<210> 11192

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-F12

<400> 11192

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ctatagcttc cttcttccc ccataccttc catcaattat agcttcaata tgtgaaaacc 180
cagctcttca accatatagg cttcaacaag caatcgcagc aagcaacata cttttatcgc 240
ccttgttgtt tcaacaatcg ccagccctat ctttggtgca gtcattggtc caaacatca 300
gggcacaaca gctgcagcaa ctctgtctac ctctgatcaa ccaagtagct ctggcaaacc 360
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ctgctgctta ttgcagcaa caactattac catttagcca gctagctact gcctactctc 480
agcaacaaca acttcttcca tttaaccaat tggcgcgact gaaccccgct gcttatttgc 540
agcagcaaat actactacca tttagccagc tagctgcagc aaaccgtgct tccttcttga 600
cacagcaaca gttgctgcct 620

<210> 11193

<211> 549

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F2

<400> 11193

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gccagtgttc agtcaactag ccatgggtgaa ccctgccgtc tacctacaac tactttcatc 180
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tgtaccagct ctgactcagc tagctgtggc aaaccctgct gccacttac aacagttgct 300
tccattcaac caactggctg tgtcaaactc tgctgcgtac ctacaacagc gacaacagtt 360
acttaatcca ttggcagtgg ctaaccatt ggctgctacc ttctgcagc agcaacaaca 420
attgctgcc aacaaccagt tctctttgat gaaccctgcc ttgcagcaac ccatcgttgg 480
aggtgccatc ttttagatta catatgagat gtactcgaca atggtgccct catacgacat 540
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<210> 11194

<211> 542

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F3

<400> 11194

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gccccctgcgc ggggctgcag ggcttgtagc gcgctggcgc cggcctgacg acgatgatgg 180
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tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480

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ac 542

<210> 11195
<211> 619
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-F4

<400> 11195

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caacgggacc acgggtgttcg acgacgtgct cccgtcgggg cagctgctca tcgtacccca 360
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gaaccctgac accatggtca gccacgttgc cgggaagaac tccgtcctga gcgacttgcc 480
ggccgcccgc atcgccagct cgtatgccat ctccatggag gaagctgcag agtcaagaa 540
cggtaggaag cnatgagctg gctgtgctta ctctgctgg gcagtggcag ctaccaacaa 600
gggtcaagctg gcagcgccc 619

<210> 11196
<211> 583
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-K6-F5

<400> 11196

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gcgggagggc gaactcaatg agctttacga tgccatgaaa gattgggtca gcgaactcag 180

ngaaagacaa tgcggaactc aacgagaagc tgggtggagaa gcaggatgag ctcgagaagg 240
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 gagatncgga gtgctcatat gctttctttg ctgcttaatc tttagttcga tgaagatctc 540
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<210> 11197

<211> 582

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F6

<400> 11197

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 ccctcttctc cgacgtctcc aacagccggg agctcctgga cttgatgcag tcaggaagc 180
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 cggcagecgt taaggcgtg ttgtccaaga ctagggagtc actgaccaca aggactctgc 300
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 agatgaaggc agtggagaag ctcacagtg gcaccgaaat tgatctcaca gaactggaaa 480
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<210> 11198

<211> 167

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F7

<400> 11198

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ttttatctga tgtttgtggc ttcccagaaa taagaaagta catttct 167

<210> 11199

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-F8

<400> 11199

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tcccggccgg ccacacggg actgectett ctccgaccg gcgcgcgacg gcgcgagttt 180
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gaccggcacc gtgctgccg acgacgtcga cgccatagcg cgcgtcgctg gtgacggcgg 360
cgggtgggac ggcgagaccg tgggtgatgc gcaccgcacg cgggagctag tgcgactgcc 420
ccggggcgtc gcgctgctg tgacgctagg cccgctccag tatgaggtgt tccatgtgtg 480
cccgtccgc gccgtcgtgc cggggtttct cgctcgcgcc cgtcgggctg ctcgatatgt 540
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<210> 11200

<211> 180

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-F9

<400> 11200

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tgttgctccg agtgggcgtt cggtaacccc tgcttggtgc atgtcctgta ggctgcgacc 180

<210> 11201
 <211> 609
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-G10

<400> 11201

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 gcaatgctcg caagctccta tagcttccct ttttcccccg tacctctcac cagcgggtgc 180
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 aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
 gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480
 cccccagcaa tttcttccat tcaaccaact ggcagcattg aactctctg cttatttaca 540
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<210> 11202
 <211> 602
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-G11

<400> 11202

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 tcttcaacc tataggatcc aacaggcaat cgcagctggc atcttacctt tatcaccctt 240
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aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg cctactctca 360
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 acaacaacaa ctaccattca gccagctatc tgctgectac cccagcaat ttcttccatt 480
 caaccaactg acagctttga actctcctgc ttatttacag cagcaacaac tactaccatt 540
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 ct 602

<210> 11203
 <211> 618
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-G12

<400> 11203

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 gcctactctc agcaacaaca gtttcttcca ttcaaccaac tagctgcatt gaactctgct 240
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 ttgttgccgt tctaccagca cgctgcgcct aacgctggca cctctttaca actgcaacaa 480
 ttgctgccat tcaaccaact tgctttgaca aaccaacag cattctacca acaaccatc 540
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<210> 11204
 <211> 555
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-G2

<400> 11204

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ttcaccatct catctgcata gtccctttt ttnttattct gttattcaca tggtttttct 480
agtgatgtta ttatcaaagc agttgaagat gttacctgt ttttccatgc taacgtggct 540
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<210> 11205

<211> 481

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-G3

<400> 11205

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ctacaacaac ttgtgctagc aaaccttget gctactctc agcaacagca gtttcttcca 180
ttcaaccaac tagctgcatt gaactctget tcttatttgc aacaacaaca actaccattc 240
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a 481

<210> 11206

<211> 480

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-G4
 <400> 11206

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<210> 11207
 <211> 605
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-K6-G6
 <400> 11207

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605

<210> 11208

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-G7

<400> 11208

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gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
cactgaacct cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600
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<210> 11209

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-G8

<400> 11209

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<210> 11210

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H1

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<210> 11211

<211> 630

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H11

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<210> 11212

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H12

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<210> 11213

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H2

<400> 11213

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<210> 11214

<211> 332

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-K6-H3

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<210> 11215

<211> 426

<212> DNA
 <213> Zea mays
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 <400> 11215

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 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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gatattcgag aggtggaggc gacgagtaca atagtaaccg tgggaggtca aacggttacg  300
gtcgtgctcc tcaccaagag aggggcatac ttgggagcca cactccaagg aactgattca  360
gtcgagcagc aaacataagg ttttgatccg tgtcgtcaaa gcgagagaga gagatcctaa  420
acaatccgcc tatcagctac taggccgcgt ttgggttttg gggcttgttt tgtcgatgaa  480
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ctctntacat taaaaaaaaa aaaaaaggcg gccgc                                           575
  
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<210> 11217
<211> 510
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H6

<400> 11217

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aatttttagga tataaaagatt taaaaaatc 120
gggggggact ttttttgggg ttttttaaatt ttattttctg ttttttggg aaccattaat 180
tttgtttttt tgggggcggg gtgatttttt tttgggtggg cggggtgttt tcccccgttt 240
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gtttttcccc gtgggggttt tggattattg gcccctcccg tttggctttt tggaaattgg 360
cccgccccct ttttttagt gggaccccc tttggggtgg ttttttggc cggggtgctg 420
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<210> 11218
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H7

<400> 11218

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gtttcttgta cacagacagg cggctgcagc tgtggtcaac aacaaagcca tgagcagcaa 180
catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaaaaa 300
caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
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caacatcaac aacaattcca gggatcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atcacaacag caacaatgtc attgccagga gcagcaacag 600
 actacaaggt gcagctataa ctact 625

<210> 11219
 <211> 368
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-K6-H8

<400> 11219

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 ctggctctgt cagctgccag cgcctctgct ntgcagatgc cctgcccctg cgcggggctg 120
 cagggtctgt acggcgctgg cgcctgtctg ggcacggtga tgggcgctg ggggctgtgc 180
 cccttcgcgg tgttcctgag gtagtgcgag tgcattccgt tggcggnggt gccctactac 240
 gccgggtgtg ggctgacgag cgccatgttc cagccggtcc ggcaacggtg ctgccggctg 300
 ctggtgaggg tgatggacgt gcatttcgtt ggcagcctc tgttgatgat gatgctggtt 360
 gagcgtgc 368

<210> 11220
 <211> 613
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-K6-H9

<400> 11220

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 gcaacaaatg cgttcattat tccacaatgc tcaattgctc cgagtgccat tattccacag 120
 ttcctccctc cagttacttc aatgggcttc gaacaccag ctgtgcaagc ctataggcta 180
 caacaagcgc ttgcggcgag cgtcttagaa caaccaattg cccaattaca acaacaatcc 240
 ttggcacatc taaccataca aaccatcgca acgcagcagc aacaagcact gagccaccta 300
 gccgtggtga accctatcgc ctacttgcaa caacagctgc ttgcatccaa cccacttgct 360
 ttggcaaacg tagctgcata ccaacaacaa caacagttgc aacagtttct accagcgctc 420

agtcaactag ccatggtgaa ccctatcgcc tacctacaac agcaacaact tctttcatct 480.
agcccgctcg ctatgggcaa tgcacctaca tacctgcaac aacagttggt gcaacaacag 540
ttgctgcaac aaattgtacc agctcttact cagctagctg tggcaaaccg tgctgcctac 600
ttgcaacaac tac 613

<210> 11221
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A1

<400> 11221

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gttgctaagg gccggccggt ttgtttggga ttacaattt attactacc caccaccag 120
aaaacctatt taaattcata cccttagttt taccatcttt tttattttta cccttaggcg 180
tattttttta ttagttttac cattttgggtg tataggactg gaaagggaaa attgagccaa 240
aaaaatacga ctaaggttta aaatgggaac aacaggaaaa ccaagggcac caccttaaaa 300
aaaaactaaa ttgggaacat 320

<210> 11222
<211> 549
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A10

<400> 11222

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accagcacia actttaacca gttcatagca aggtatacca gatcaacatc gacactagta 120
aaagggcaaa ctcttcata ggcaaattca agggctaaac agttctgtct ccaggcaagc 180
aactcactt gaagcatttc gcgtaagca aggcctcgcc ctcaaagggc tcctggtcct 240
caatcatcgc attgacacgc tccttctggg cctcatcaga gatgtccacc ttggccact 300
cgtagagctc catgtcatag acctcgtcca ttacaaactt gggaacatcc tggccacgga 360
agagccaaag gcccttcagc ttgaaggggtg gctcagagcc tatcagagc atcttcccaa 420

aggcgtactt gcggcacagg tccatccgct gcaggaatcc accaaccttg ttcaggggtca 480
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<210> 11223

<211> 520

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A12

<400> 11223

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 tttaaattagt ttcagaacac aactgggaaa gaaagggaaa aaaacaagca ctccatcgct 180
 gttggatgga ccgtcctctg ctcagcaccg ctcaagacgg cagttcagct agtctgttcg 240
 cttcacggcg cagcgtgcc aagccttgag ataacctggc agcgtagaga ggcattctcc 300
 aagagagcac agaaggttta gtagctgtgc tgccagagat ggtgcgatgg ctgggatggg 360
 acgccctggg aattgttcaa gcttccctcg gtgaggttct gggggtgctc ctgtggcaga 420
 ctggcctgcg actgcgactg gtagaagctt ggggtaccaa gaccaccgta ttgagagggc 480
 tgatgtgcct ggcggaagcc accctgctgg ctctggccct 520

<210> 11224

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-A2

<400> 11224

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 ggcaccatta tcgagtacat ctcatatgta atctaaaaga ggcacctcca acgatggggt 120
 gctgcctcga caagacaggg tttatcaaag agaactgggt gtatggcagc aattgttgct 180
 gctgtaggaa ggcagcgacc aatgggttag ccactgctag tggattaagt aactgttgct 240

gctgtttag gtacgcagca gagttcgaca tagtcagttg gttgaatgga agcagttgtt 300
gcaagtaggc agcaggggtt gccacaacta gctgagttag agctggtaca atctgttgca 360
acaattgttg ttgnaagtat gtaggtgcat tggacacagc gagcgggcta aatgaaagga 420
attgttgttg ttgtaggtag gcggcagggg tt 452

<210> 11225

<211> 192

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A3

<400> 11225

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cagagaaaaag aagggggagc ctttttgaca ataaagggtt tggggggccc gggccccccc 120
cttgaagaaa agatacgagg gggggggaaa taaaagtcta ataaaaaaaa aaaggggaga 180
gaaaaccccc cc 192

<210> 11226

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A4

<400> 11226

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ggtagaacac tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180
gtaagagggg gccagcgtaa ggcgcaacgt gctggtagaa cggcaacaac tgtggttggt 240
tcaagaaggt agcaggggtc acaccagcta gctggctgaa tggtagtagt tgttgctgct 300
gtaaataagc aggagagttc aatgctgcta gttggttgaa tgggaagaaat tgctgggggt 360
aggcagcagg tagctgggtc aatggaagtt gttgttggtg caaataaaaa gcaaagttca 420
atgaacctag ttggttgaat ggaagaaacc tgtgttgctg aaagt 465

<210> 11227

<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A5

<400> 11227

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aatctagaca catttacaaa aacacatata ttaataatat gtgttggttg tttgtcttct 120
aacttattta ataatctaga ggagggtaaa caaacaaggg cgaaatgtct atcttcatca 180
aataattgac cggatgaaaa tgggccctgt ttaagcataa ataacagaga aatctttggg 240
gcactaggca gcaacaggaa gcaagccgtt ttgtctaaga agtgggttcag gcgaaggctc 300
ccgtcctcgg aatgaaacga acaccttaag cggagacttt ccacctcaa gcgcaagaac 360
agtgtctctg aatcgtctgc cagtttcttc gattgccttc tcattaatca aaccagcgtt 420
ttcaaaagct gaaaatgcat caattgacag tacttcagcc cacttgtaa 469

<210> 11228
<211> 211
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A6

<400> 11228

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tttttggact ttaaccctt agaaatttaa aaggaggggc cccccaagt tggggtgttg 120
ggtgaaccct cttggggttg tcaaaacaag gtggttgaat gggaacaatt gttgccattg 180
taaaaagggg cccgcgtttg gcgcagggtg c 211

<210> 11229
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A7

<400> 11229

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tgaactataa ctcataagca atctaaaaga gggcaccacc aatgatgggt tggttggtaga 120
 aactgctgg gtttgtcaaa gcaagttgggt cgaatggcag caattggtgc agttgtaaga 180
 ggggtccaac gttaggcgca gtgtgcaggt agaacggcaa caaatggtgc tgtgtcaaga 240
 aggcagcagg gctcacagca gctagctggc tgaatggtag tagttgttgt tggtgtacat 300
 aagcatgaga gttcaatgct gccagttgggt tgaatggaag aaaattgccg gggtaggcag 360
 cagctagctg gctgaatgggt agtagttggt gttgctgcaa ataagcagca gaattcaatg 420
 cagctagttg gttgaatggc 440

<210> 11230
 <211> 571
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-A9

<400> 11230

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 cattattgaa gtataactca taagcaatct aaaagagggc accaccaatg atgggttggt 120
 ggtagaacgc tggtgggttt gtcaaagcaa gttgggtgaa tggcagcaat tggtgcagtt 180
 gtaagaggggt gccagcgta ggcgcagcgt gcaggtagaa cggcaacaac tggtgttggt 240
 tcaagaaggc aacagggctc acatcagcta gctggctgaa tgggtggtagc tggtgctggt 300
 gtaaataagc agcagagttc aatgctgcca gttgggtgaa tggaagaaat tgctgggggt 360
 aggcagcagc tagctgactg aatggtagtt gttggtgcaa ataagcagca gagttcaatg 420
 cagccagttg gttgaatgga agaaactgct gttgctgaga gtaggcagca aggtttccta 480
 acacaagttg ttgtagttgt tgtgccttga tgttttgtgc caacaaatgc accaaaggta 540
 actgctgtaa tagggctgac ggttggttga g 571

<210> 11231
 <211> 487
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B10

<400> 11231

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 ggagtgtc tcatatcaca tattcacatc catgcttaca cacagcacgc acatcattat 120
 ttgttctacc acgaagctag cgacgacatg gcgtgctctg aatctgaaga cgacatggca 180
 atggtatgga tcctagcagt aggccagtac tagcagtacg tagttaggcg aggacgaggc 240
 tcttcttgaa atgcgcgac tgaatgttct ccacgttgag cttcttgaa ttgctgttct 300
 tcctggtgct gaagaagtcg cccagttgt aggcgtcgta cctgggcaga tcgtcctcgc 360
 tcaccagctc ctccaccggc tccaccatgg tgtaggtcgc cgggttgaa aagtagggca 420
 tggagaacct ctctctcgcc gagttcactg acagccggtg ctccgcgctc tcgtacctgt 480
 cgttgct 487

<210> 11232
 <211> 505
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B2

<400> 11232

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 tgttcattat tcaccaagga taaaaattaa atccacttag cccaggagca tccatccaat 180
 cttaacccgc atccctccaa ccttaaccca ataaataacc tctgcttaac accgcaaaaa 240
 ccaacatggc tggaagtgtc accttccttc agctacaaat tgtttcatta atacatggta 300
 acaagaataa actagacaag ggcattagggt ttcaattctc ttagaatagc ataataaaca 360
 gtacggtaat tgcagaatgg tagtgcaatt aatctgcccg ggattgacca gcacgggatg 420
 aaaggataat tccaacaatg agaccgtaca gagcaagcgc ttctgcgaaa atgaggatga 480
 ggatcatgcc cacaaaaagc ttcgg 505

<210> 11233
 <211> 526
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B3

<400> 11233

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attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggcc gctcgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagaggggtt gcgggggttag ccgcaaactg ctggtagaaa ggagcaact gttgctgtgt 240
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agagtaggca gtagctagct ggctgaatgg taatagttgt tgctgcaaat aagcagcagg 420
gttcagtgtg aacagtttgt tgaatggaag aaattgttgt tcctgagagt agggagaaag 480
gtttgccaga gcacttttgt gatcacaggt agcacaatt gctgca 526

<210> 11234

<211> 482

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-B8

<400> 11234

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gcaccattgt cgagtacatc tcatatgtaa tctaaaagat ggcacctcca acgatgggtt 120
gctgcaaggc agggttcatc aaagagaact ggttgtagtg cagcaattgt tgttgctgct 180
gcaggaaggt agcgaccaat gggtagcca ctgccaatgg attaagtaac tgttgctgct 240
gttgtaggta cgcagcagag ttgacacag ccagttggtt gaatggaagc aactgttgta 300
agtaggcagc agggtttgcc acagctagct gagtcagagc tggtagaatt tgttgtagca 360
actgttggtg taggtacgta ggtgcattgc ccaccgcgag cgggctagat gaaagtagtt 420
gtaggtagac ggcaggggtc accatggcta gttgactgag cactggcata aactgttgca 480
ac 482

<210> 11235

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C1

<400> 11235

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aatgatgtgt tgttggtagg aggctgctgg gtttgtcaaa gcaagttgga caaagggcaa 120
caattgttgt agttgtaaga gggttgcggg gttagccgca aactgcttgt aaaaaggcag 180
caactgttgc tgtgtcaaga aggaagcacg acttgctgca gctagctcgc taaatggcag 240
tagtatttgc tgctgcaa at aagcagcggg gttcagtgcg gccattggt taaatggaaa 300
aagttgttgt tgctgagagt aggcagtagc tagctggcta aatggtaata gttgttgctg 360
caaataaaca gcagggttca gtgtaaacag ttggttgaat ggaaa 405

<210> 11236

<211> 503

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C10

<400> 11236

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gggcaccatt gtcgagtaca tctcatatgt aatctaaaag atggcacctc caacgatggg 120
ttgctgcaag gcagggttca tcaaagagaa ctgggtgtat ggcagcaatt gttgttgctg 180
ctgcaggaag gtagcgacca atggggttagc cactgccaat ggattaagta actgttgctg 240
ctgttgtagg tacgcagcag agtttgacac agccagttgg ttgaatggaa gcaactgttg 300
taagtaggca gcagggtttg ccacagctag ctgagtcaga gctggtacaa tttgttgacg 360
caactgttgt ttaggttacg taggtgcatt gccaccgcg agcgggctag atgaaagtag 420
ttgtaggtag acggcagggt tcaccatggc tagttgactg agcactggca taaactgttg 480
cagctgttgt tgttgctggg atg 503

<210> 11237

<211> 549

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C11

<400> 11237

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aactataact cataagcaat ctaaaagagg gcaccgcaa tgatgggttg ttggtagaac 120

gttggtgggt ttgtcaaagc aagttgggtg aatggcagca attggtgcag ttgtaagagg 180

gtgccagcgt taggcgcagc gtgcaggtag aacggcaaca actggtgttg tgtcaagaag 240

gcaacagggc tcacatcagc tagctggctg aatggtggtg gctgttgctg ttgtaaataa 300

gcagcagagt tcaatgctgc cagttgggtg aatggaagaa attgctgggg gtaggcagca 360

gctagctgac tgaatggtag ttgtgttggt aaataagcag cagagttcaa tgcagccagt 420

tggttgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttcc tagcacaagt 480

tgttgtagtt gttgtgcctt gatgtttgtt gccaaacaat gcaccaaagg taactgctgt 540

aatagggt 549

<210> 11238

<211> 542

<212> DNA

<213> Zea mays

<223> unsure*at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-C12

<400> 11238

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gctttagaac agggctgagc atgcgcaaag cagtatatag acgatacgtc ccttattctt 120

acatagtact gtactataca cattcgctcag acctgtgcca tacagccata ctaaacaag 180

tcttcttgat tctcatagc cttcacataa ggcccaaggt gtgtgtcgtg ccttggtgag 240

tgccagaccc agggccatgt agctggtaag tctggctcgg cacaacctgg agaacacctg 300

gttgctcctt gagatccttg acctgctggg gggtagactt cgcgagagaag ccgctggcgg 360

cgttcttgta gtggtagagc actgcgtccc tggccttctg ttcgctgccg aggacggggg 420

tgaggngtgc ggatgtggaa ctctcaggg tcggcgctct cggggcggtc aacgtacacg 480

atgtgcacgg ccgtctctg tgccgcgggg gccgcctgct tctccggctc ggccgcatg 540

gc 542

<210> 11239
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C4

<400> 11239

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aatgatgggt tgttggtaga aactgctgg gtttgtcaaa gcaagttggt tgaatggcag 120
caattgttgc agttgtaaga gggtgccagc gttaggcgca acgtgctggt agaacggcaa 180
caactgtggt tgtgtcaaaa aggtagcagg gctcacacca gctagctggc tgdattgtag 240
tagttgttgc tgctgtaaat aagcaggaga gttcaatgct gctagttggt tgaatggaag 300
aaattgctgg gggtaggcaa caggtagctg gctgaatggt agttgtttgt tgttgcaaat 360
aagaagcaga gttcaatgaa cctagttggt tgaatggaaa aa 402

<210> 11240
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-C7

<400> 11240

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attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagagggtt gcgggggttag ccgcaaactg ctggtagaaa ggcagcaact gttgctgtgt 240
caagaaggaa gcacggtttg ctgcagctag ctggctaaat ggtagtagta tttgctgctg 300
caaataagca gcgggggttca gtgcggccaa ttggttaaat ggaagaagtt gttgttgctg 360
agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aaacagacag 420
ggttcaatgt aaacagttgg ttgaatgg 448

<210> 11241
<211> 511
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-120-Q6-N6-C8

<400> 11241

gacaattaag acaacgaaac taaacatggc taaaaactac tactacaaat gtctgcagac 60
tggcacatag gcatacaaac aataaatcag gcctaactgc agctctacaa cctacaaagc 120
gacaaacata gcacggcttc tttatctgat cgttacaaac ttatttgtac catgcttagc 180
ccaaaacgtc ttcaagtcaa ttggattaac aagattgtac ccttcaccag caagcttctc 240
aagcaccttt ttgaatgcac cttgggtcat cttccttcca gcaatacgtg cgccccggcg 300
ctttgtgttc attggcagtg gatacgttga aatagaagtc gtgcagcatg cagactgcc 360
cccacctgca cccacccggt agcactgctg gggagctccg gtgcacgagc aactggtgt 420
tggatatgtg gcaagggtcca actcaatacc gntaatcatc atccccacat tcttcttagg 480
tccccctctc cgggtcgcgt gcccatat t 511

<210> 11242
<211> 273
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D1

<400> 11242

agcccaaatt caactcatat ttcagtagca acaagctaaa agctgacaaa tgctactcca 60
tctaattctta atcttccaaa aattgggtgtg ttgtaaaact tacacatgtt tttgcagctt 120
gggatggaca gggttttgaa ggggtacaacg gtgaactata cactgggtgtg ttgagatggg 180
tgcagtcaca acaaacaggt gtgccttggg aagcaacaaa aaaacttgac tgggaggtgg 240
gtggggaaca taaaaaaaaa agacctttgc tgt 273

<210> 11243
<211> 530
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D10

<400> 11243

aatcataata aataattaaa tttaaacaac aatagaacaa gtatttgcag tttacatcat 60
gtcaatgaca gcacgatcag tgatttagtg ggcaacaatt tcagtgccac tttcttttgc 120
ctcaggagat caaagcaaac gggggacaga gacacaacat ctaactacta cacagaacaa 180
ggaagagtta aacaactctg accaaaacga gagtcatcac aaaagcctat tctacagttt 240
ttttttctaa ccgtgacaac ggtcctgcgc ctctcttgca ggatcagcca cgtataagct 300
cgacgctagg tgattattgg ttaatgtaca gaagttagca caaagtgtg ccattatagc 360
ccgatgaatg ccatgccacc gttgagtcac tggcggttggg cagacggaga atgttgcacc 420
tgcactgggtg ggaagaaccc catgcctgct gatgactgga agaatcctgc tgatgtgggt 480
gattgctgtg gtgcctgaag agactgctgc tgctgttggg gttggttctg 530

<210> 11244

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D12

<400> 11244

aaattgggaa caaaactttt ttcttttcat ttaaatgggt cattcagggc attggtaaaa 60
ctgaccctgc ccccatggg gatgcgggac acatttttac tcaatcatcg ccgctaaatg 120
actaaactag ctagctagcc aggggttttt ctacagcaca tagtttttta agggggggac 180
acccccggca gcaacgtagg ggcattggagt cggctgctgc aggatggact ggaggaccaa 240
cccaaaaatc gcctggtacc ggggctgggg ttccacctgc ctgagctggt ggaaacactg 300
ttgccgaaac aactggcact tagggaagca gtagggcggt cccctcgggc tgcactgatg 360
cctaaaaaac tcgaccact ggcccaggat cggggtgctg ccaaccccca aggttcctg 420
aaattggcac gggcttggat gcgg 444

<210> 11245

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D2

<400> 11245

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttt 77

<210> 11246
 <211> 541
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D4

<400> 11246

agaatctaga aatgtacttt cttattttctg ggaagccaca aacatcagat aaaaaacttt 60
 attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
 gtagaacact gctgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
 taagaggggtg ccagcgtag gcgcaacgtg ctggtagaac ggcaacaact gtggttggtg 240
 caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
 taaataagca ggagagttca atgctgctag ttggttgaat ggaagaaatt gctgggggta 360
 ggcagcaggt agctggctga atggtagttg ttgttggtgc aaataagaag cagagttcaa 420
 tgaacctagt tgggtgaatg gaagaaactg ctgttgctga gagtaggcag caaggtttgc 480
 tagcacaagt tgggtgtagtt gttgggccct gatggtttgt gccataaatg caccaaaagt 540
 a 541

<210> 11247
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D5

<400> 11247

accggcaaaa gaactttcga cccattttct ttcctatttc cacatattcc attttacata 60
 catataagca atgacaatgg aggactatag caagatctat atcaagccat gaagcaacac 120
 atgcaaaaaa gaaagaaaag aaaaaaaaaa gagcaaaaag ctaaacaag tggcaaaaaa 180
 gcagaggtgc aggggaagca ggtcgaacca acagaaaggg gcagggatca aggcgtcaaa 240
 attagtgtta tacaacttac aaccatgcca gaccttgccg ttgcgtccta ccatgatgac 300

cttctgctag tgacacggcc atggaaaaca tcattctgctc ctcgatgctc tccgggctga 360
 agtggcttgg agccatggtg aaattctcag cgaaaggcag cggttgcattg gcccctgcat 420
 ccaccatgat gtccgatccg gcatagcttg ttcccgctc cgcaccctc 469

<210> 11248
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D6

<400> 11248

ccacccaaaa actttatattt tgaattccac ctaataagca atctaaaaga gggccccccc 60
 aatgatgttt tgttggtagg aggccgttcg gtctgtcaaa gcaagttgga caaagggcaa 120
 caattgttgt atttgaaaaa gggttgcggg gtttagccca aactgttggg aaaaaggcac 180
 caactgttgc tgtttcaaaa aggaaccccg gtttgctgca cctacctggc taaatggtaa 240
 aagtatttgc tgctgcaaat aaccaggggg gttcagggcg gccaatggg taaatgaaaa 300
 aagttgttgt tgctgaaagt aggcaatacc tagctggcta aatggaaaaa gttgttgctg 360
 aaaaa 365

<210> 11249
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D7

<400> 11249

ggcatgggac aaattttaaag ggggtatacg aggaagcagc gtacatggga aataaataaa 60
 gaccgcatga actcaaaaat aaaccaaaca gccaaaaggg catgggaggg tttccgtctc 120
 cttttttttt caacacacac acaaacacaa ggaccacgtg cgcggagagg gtttttattc 180
 agtagtagta cacgtagcag tagtagacat gcaagtcgtg accatcatgc gtaggtagct 240
 agatatggtc atgacggtcc gatccgaggg cgccgacgta cggggggata aatatggatc 300
 gtcttcagggt ggccgcccgc gcccgctgctc gtcgtttagg gttcaattca ccctggaaca 360
 atcgggtggag gtgctgatgg ttaggggat gctgaccccc cacttgaggg ggatgctggc 420

ggcgtttccc gc

432

<210> 11250

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D8

<400> 11250

aaaatgggaa atataaaaaga agggggggggg ggggaaaaga gagggggggg gaaaagaaag 60
ggggggggaaa gaaaaaaaag gggggggagg gggggggggg ggagagaggg gagaagagag 120
ggggggggagg ggaaaaaggg aaaaaaaaaa aaaaaaaggg gccacaaaaa aaaggggggg 180
gggaagaaaa aagagggggg aggaaaaaaa aaagggggag ggggggaaaa ttgtggtggt 240
gggagaaggg gaaaaaaggg cgggtaaaag gaagaaaaaa aaaaaaaaaa aagtgggggg 300
gttaaaagag ggggggggaa aaaaaaaga gagggggggg aaaggggaga cgccggagga 360
aaaaaaaaaa gagaagaaaa aagctggggg ggggaagaag aaaaaaaaag agggggggga 420
gaaaaagggg gttaaaaaaa aaaagag 447

<210> 11251

<211> 505

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-D9

<400> 11251

aacttctgtc tgcttagttt attgctcatt cttacagagt ccatagtaca gtttgaatat 60
ctgtaatatata ggagaaaagg atgagctagc tagcgtggct cagcacctcc tttcctatgt 120
taagccaatt atattctgtg aatcaggcag ctcatctgat atatctatct aacttagtct 180
ggcacggcct gtgtggagtt tgaatacaac agtgaataat gatggcacia attgatcgtc 240
cgccatggat gatcttcact tcaacgaggc ttacaagctt ttgaccgaga tgcattttc 300
ctcattgtcc agaatgctgc acggtaccga ttctgcatca ttgctttcat gtttgagtg 360
taagtagtct cgatcatttt ctccacctcc attgtaaatc cataatggta agcaaccttt 420
ttcacatctt ccaaacttaa ttcaatagac atatcatcat ctggcccata tgaatcagca 480

aagtgatata gaaggggacc caaat

505

<210> 11252

<211> 507

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E1

<400> 11252

atacatcaat tggcagcttt tggttcacc ttaatttctt atgttcact tcacatttcc 60
atttaattag aggaaggacc ggtgaagtaa atcgctcaca ttttctcatg cacgttgagg 120
gatcagatct ttgcttgcac tggatgggga cgagcctagc tacttccaag tataacagga 180
atcgттаatt atatcacaag aacaaatccg gatccccctt aattattgtt ccggatgaac 240
gatccgagaa atgcattcat cttcttgcct tgcttattat tcagacatat gagctagcta 300
caagctcatt cctcatgcac tatgctcttc gcagttactt ggagggcatc gttccgccc 360
cgagaatcca ggggcattcg gcgacgcgc tgatgggtggc caggttgcac tcggcctccg 420
tgacgagggg ggcggcgaat cccctctgca cctcccgggg gcagcccggc aggtccttta 480
ggcgggccctt cacttgccgc tccgggc 507

<210> 11253

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E10

<400> 11253

cccaaccaga tccttacatt taaggcatgg atttattatg gggattaagg acatcggggc 60
ttaatctcac actacacagc aatgacaca aaaacactag gggcacaacc ggggaggccc 120
ggacacaagt acatgggacc aaactattgt aatttgacaa gtaaaattaa gtccaacact 180
acatgcaaaa tgcagcaacc acagcttatt gaattcaaaa aataaaataa gcacaaaaaa 240
acttaatcgc agtcaacagc tcattgtatc tcacaaattt ttacaagatc caaacaacca 300
tcaccttata actttattaa tgcaaatgga ttggagctta ttttttttcg agggcctgaa 360
caaaatcatt tttaaggtcc taaaaatcct cactccaat gctgaacctg atcaggttgt 420

ccttgatccc ataaatgtcc ctctgtcctt ttgaatc

457

<210> 11254

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E11

<400> 11254

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gcaacctaac aaattgagct, ccggataggc aaatggaaca ttgattaact tggactcaaa 120
atattgtatt ttttttcac tgagacaaac acacgatccg gaaacaccac atcaaaactcc 180
aaatataactt gtccatccgt ttccagttca cgtacgcttc acgacattgc caccttcttg 240
gccaagaact ttgatcattc aacctttttc ttgtcactct ctccgccgcc ggctccgtcc 300
tcctcctcct cactcctctc cttgtcgacg aggatcttct tgcacgctc gtagcacatg 360
aaggcgatgc cggcggcggg catgagcttg atgcagctag ggccgagacc tcggtacagg 420
ccgccggcgc cctccttctt gaggatgcag tagatagcgt ggaggacgtt ctggtacacc 480
tgctcccgcc 490

<210> 11255

<211> 493

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E12

<400> 11255

ggagaccgaa ccattttctt ttattatgt acgagaccaa tattaccgga ggcactgcc 60
atgtttactt gtcaacgggc acttaattgc tctataatat gaaccactaa aatttccgga 120
atcaagtgat accgataagg agaagcaaaa gacctataac ctactcgaac ctagttagtt 180
accatcaa atcgtagggac ttgtccgaaa atgtcggggc aaccttccca gctgcttttt 240
tttttgatt cccagtaccc accgacgtaa cggtatgtgt caatagcttt atccttcgaa 300
aaccaccgag gcttccatcc gctttcctgc atttttcgtg cctgcggttg tctttgttca 360
agcctcaatt tttaagcatt tgccttttca tattaaccgt tctccaaaca tttttggtct 420

ggtcgtaatc ttgagtctgt aggtggcagt ttctccttca atccaggggt aagttcattc 480
aatgtaattg caa 493

<210> 11256

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E2

<400> 11256

ggggaaaccc gccctttttt ttgtaaaccg gtaaaagcaa aggggcccc gctttggtcg 60
ggcagggggg cctcaaagcc caacaagcaa aaagttgggg gtccccctct agcagaaacc 120
cctaaggggg gggaactttg gggcttacaa aaaacccaaa acacttttgc ccttacaaaa 180
aaagacccta caaagatccc aaaacactga actattttta acaaaggggg gagaaaaaaa 240
ccttgggggg gggagaaa 258

<210> 11257

<211> 559

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-E4

<400> 11257

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tacatcaaat gtaataaaga agtaaaaaga catggtaaac ccttagccag aaacctagca 120
ttcagagcat gcaatgctgc acctatatct atcctaacta aaacccaaaag tatggagggt 180
tttgcaaccc agagccttgc cggccaccat ggcggtcttc catcccaaga attatcaata 240
agcaggcatc agctttttgca acaccaatct tctcattttc tgatgtactg gctgctcctc 300
aaatggaaat ggtgtcaagg tgaaaaatgt accggaagtg tgttgcgccc tattttgcag 360
aagggggcat gtgaacaaac ttcgatggct catctagatg ccacttactg tacacggatt 420
tacaattcac agtaggtaaa atctggatgc aacaaaggaa ttttttaagt gagggcaaac 480
tccttttttt tggaaggaaa actgggggtt tttttttagt ggggtgaact acttggtgat 540
ctcatctgca gtaagtgtt 559

<210> 11258

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E5

<400> 11258

atcgagataa atctcaatca atatatgat tatttttagg aaacacatgc cgctatgagg 60
gcaccattat cgagtacatc tcatatgtaa tctaaaagag gcaccaccaa cgatggggtg 120
ctgccacgac aaggcagggg tcatcaaaga gaactgggtg tatggcagca attggtgctg 180
ctgtaggaag gcagcgacca atggggttagc caccgctagt ggattaagta actggtgctg 240
ctggtttagg tacgcagcag agttcgacac agtcagttgg ttgaatggaa gtagttggtg 300
caagtaggca gcaggggttg ccacagctag ctgagtaaga gctggtacaa ttgttgcag 360
caactgttgt tgcaacaact gttgttgcag gtatgtaggt gcattgccca tagcgagcgg 420
gctagatgaa agaagttgtt gctgtttagt gtaggcgata ggggtcacca tggctagttt 480
gactgagcgc tggtagaaac tgttgcaact gttgttgttg ttggtatgc 529

<210> 11259

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E6

<400> 11259

gggggcctct tacattatcc aaaaaatttt ttttttgaat tcaactaata agcaatctaa 60
aagagggcac cccaatgat gtgttggggg tagaaggctg ctgggggttg caaagcaagg 120
tggacaaagg gcaccaactg gtgcagttgt aaaaggggtg aggggttagc cacaaccgc 180
tgggggaacg gaagcacttg ttgattgggg aagaaagaaa agggcttggt gtaccaactg 240
gccaaaggga agagaattgc tgggtgaaaa acaaagggg tcagggcggc cacatggtta 300
aatggaaaag 310

<210> 11260

<211> 504

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E7

<400> 11260

aaatctcaat caatatattg attatTTTTta ggaaacacat gccgctatga gggcaccatt 60
atcgagtaca tctcatatgt aatctaaaag aggcaccacc aacgatgggt tgctgccacg 120
acaaggcagg gttcatcaaa gagaactgggt tgtatggcag caattgttgc tgctgtagga 180
aggcagcgac caatgggtta gccaccgcta gtggattaag taactgttgt cgctgttgta 240
ggtagcgagc agagttcgac acagtcagtt ggttgaatgg aagtagttgt tgcaagtagg 300
cagcaggggt tgccacagct agctgagtaa gagctggtag aatttgttgc agcaactgtt 360
gttgcaacaa ctgttgttgc aggtatgtag gtgcattgcc catagcgagc gggctagatg 420
aaagaagttg ttgctgttgt aggtaggcga taggggtcac catggcttgt tgactgagcg 480
ctggtagaaa ctgttgcaac tggt 504

<210> 11261
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E8

<400> 11261

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tttgcgcgaa ggagcaatcc aaaaaggggc acccccaaag aagggttgct ggaaaaacc 120
ccccggggag gggaaaacaa atttttgcgt tcaaccaacc ggcgggggtg gactctgcag 180
gttatttaca acagcaacaa cccgggcgcg ggggtggacc cgcgaaatata taacacagcc 240
ccgccggcgg accagctttt cctaccgaga agcgggccag aaccggccg ggtcaaggac 300
ata 303

<210> 11262
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-E9

<400> 11262

gaaaaaagga ccttcttatt tctggggagc cacaaacatc agataaaaaa cttttttttt 60
ggactattac ccataagaaa actaaaaggg gggggccccc atgatgggtt gttggtaaaa 120
cactgctggg tttgtcaaaa caagttgggt gaatggcaac aattgttgca gttgtaaaag 180
ggggccagcg ttaggcgcaa cctgctggta aaacggcaac aactgtgggt gtgtcaaaaa 240
agtagcaggg ctcacaccaa ctagctggct gaatgggaat agttgttaaa cctgaccaat 300
tcaaggggat taatgatgag gggaggccaa tttaccagaa gccctttttt ccccgtaacct 360
ttaaacaag gg 372

<210> 11263

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F11

<400> 11263

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tggtacaagc acaccattca tgggttagcc aaaaaaagag aagggggaat tccctcccat 120
tttctttttac gaacaaactc cagggaaccc cccaccacc catattggac ttacttactt 180
agcccaaaaa aaaaaccctg gatttggaaa atctttcaac ctaaaaaacc cacgggggac 240
caaaccaaac gtgaaggggt tttttttttt ttacccctt tccccccaa aggatttccc 300
aaaaccaacc ttttttttta aaccgggtt acgtccaagc caa 343

<210> 11264

<211> 249

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F2

<400> 11264

catcattaat tgcttattta tgatatatta ttccatcaag atcacatttt tcacggtagc 60
catacatgag gtctctcttt ttttaatggt gtactagtag cttagaagct aaccaaac 120
aaggaaggac aaccaagaag ctaaggcctg gtttattatt aactggaaac ataaaataaa 180

aagtaggggtt tgttaattgc atttgggtatg tatcacccaa ctgacggagt catgggggacg 240
gtgtcaacg 249

<210> 11265
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F4

<400> 11265

atgggggcaat tctctagtta actcctctga gttcagatca accatcatcg gttcaaattt 60
tgtgtactat accaggcaac aagtgttagga tcaacacaga atactagtgt atgcgcacgc 120
atgcaggaag gcagcaacac caacagagta aaccatccaa gccaaaccat gcttgttggg 180
acagcac 187

<210> 11266
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-F6

<400> 11266

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tt 82

<210> 11267
<211> 412
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-120-Q6-N6-F7

<400> 11267

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aaggggttaa aaaacgggaa agccgggggg cccccaaaaa cttggcccc agaaaaccgg 120
ggaataaaaa aaaaaaaaaa aaaaccccg ggggccaaaa aaaaaaaaaa ggcaaaaacg 180

ggaaagcggg ggggcccccc caaacttggc ggcgaaaaaa aaaaaaaccc ccaaaaaaaa 240
 accccggggg ggggccaaaa aaaggggcaa aaaaaaaaaa gccccctgg ggtttaaac 300
 cccccccagg gggggaaaaa aaaaaaaaaag tgcccaacca aaaaaaacac acgggcaaaa 360
 aactggggac aaaaaaaaaa aaccccccaa aggctggttt aaacaaagg gc 412

<210> 11268

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-120-Q6-N6-G10

<400> 11268

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 agatcacact acgctgacaa gaaaaacatt ttagaccaa aagaataggc attccatata 120
 ttatagtttg ctgtctttga taccacaaat gggtcccggt cgataccaca taatagcata 180
 cctatgtcca tcaaaagcta cggcaagtag cactcaaaca cagctagac tgtcatacag 240
 aaagcttaca aaagcagaga ctaaccaag caagctcatg gcactatggg tggacggaat 300
 taggtcatag tttccaagac ctggatttac aaaagatggg cagtccaaac tttagtattc 360
 ccactttttg agctccatac catcaggggn ggctcccttc taccttcttt gctccaaatc 420
 tttccaattg gt 432

<210> 11269

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G12

<400> 11269

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 attattgaag tataactcat aagcaatcta aaagaggcac caccaatgat gggttgttg 120
 tagaaacgct gttgggtttg tcaaagcaag ttgggtgaat ggcagcaatt gttgcagttg 180
 taagaggtg ccagcgttag gcgccagcgt gcaggtagaa cggcaacaac tgttgtgtg 240

<210> 11270
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G2

<400> 11270

ctagaaatgt actttcttat ttctgggaag ccacaaacat cagacaaaaa actttattat 60
tgaactataa ctcataagaa atctaaaaga gggcaccacc aatgatgggt tgttggtaga 120
acgctgctgg gtttgtcaaa gcaagttggt tgaatggcag caattgttgc agttgtaaga 180
gggtgccagc gttaggcgca gcgtgctggt agaacggcaa caactgtggt tgtatcaaga 240
aggtagcagg gctcacacca gctagctggc tgaatggtag tagttggtgc tgctgtaaata 300
aagcaggaga gttcaatgct gccagttggt tgaatggaaa aaattgttgg gggtaggcaa 360
caggtagctg gctgaatggg agtttgttgt tgttgcaaata tagaagcaga attcaatgca 420
acttagttgg tt 432

<210> 11271
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G4

<400> 11271

ggaacaacat atcaatatca ttggacaaaa atagctgcga acaaaaacct tgctcattct 60
tctctcgtct cgtttcatag cgggagcaaa caaagggaac aacaggggta ccaacaccta 120
atccaaaggt agaacggaca ctaacacggt gacagaagcg aacggtaaca cgatactata 180
gatagataag ataactcggc cgaagccagg atggggcccac acatcagtcc ctccagccgc 240
cgccgcgcgc gccgtagccg ccaccaccac cctcgcgcgc accgccgtaa ccgccaccgc 300
ctacgtagcc ggcggcacca ccctcgcgcg gaccgccgta gccgccaccg ccggcataac 360
ccccgtcacg gggcccgcga ccatagc 387

<210> 11272
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G5

<400> 11272

agaatctgga aatgtaactt cttatttctg gttggccaca tacatcatcc aaaaaacttt 60
attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
gtaggaggct gctgggtttg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
taagaggggtt gcgggggttag ccccaaactg ctgggtgaaa ggcagcaact gttgctttgt 240
caaaaaggaa acacgggtttg ctgcagctag ctggctaaat gggagtaata tttgctgctg 300
caaataagca gcgaggttca gtgcggccaa ttggttaaaa ggaaaaaatt tttgttgata 360
aaagttggca at 372

<210> 11273

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G6

<400> 11273

aaaaaatct caaaaggact gttgcgcaaa ttttaagattt caatcaacag aacacaaaga 60
gtgatctaac gatgtgagac aaacatgtcc aagttcgttc ataaacatgg cgcttctaca 120
attcatgggtt catggataca tgcgggtccg ctcaaggctt tttcagcaac aggtttaagc 180
agaagcagta ggcgcacatcg ccatttcctg ttcaaccgga gttttctgaa ccgggtagta 240
gtggtagtgc agtccccga catcatcccc aaaaagcttc gtccaaccat cagggccaac 300
gtggtaaaca ctaacacaac caccattgc tgcattacgg aatgttgccc cataaatagc 360
ccgtcgcgct aatttcgcgg gttcctcaac tgacatgctg aagc 404

<210> 11274

<211> 146

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G7

<400> 11274

aaagaaacta aaaagggact tttttatttt gggggccccc caaacctcat caaaaaact 60

tcttttttgg acttttactc attagccatt taaaagagag ggcccccccc atgggggggt 120
 ggtgggaaaa cactgttgcg gcccc 146

<210> 11275

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G8

<400> 11275

agaatctgga aatgtaactt cttatttctg gttggccaca tacatcatcc aaaaaacttt 60
 attattgaat tacaactaat aagcaatcta aaagagggca ccaccaatga tgtgttggtg 120
 gtaggaggcc gctgggtctg tcaaagcaag ttggacaaag ggcaacaatt gttgtagttg 180
 taagaggggt gcggggttag ccgcaaactg ctggtagaaa ggagcaact gttgctgtgt 240
 caagaaggaa gcacggtttg ctgcagctag ctggctaaat ggtagtagta tttgctgctg 300
 caaataagca gcggggttca gtgcggccaa ttggttaaat ggaagaagtt gttgttgctg 360
 agagtaggca gtagctagct ggctaaatgg taatagttgt tgctgcaaat aagcagcagg 420
 gttcagtgtg gacagttggt tgaatgg 447

<210> 11276

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-G9

<400> 11276

gaccccatga aggtggtgga ggcgtgcag aagaagactg gccgcaaggt cgagctgctg 60
 tcgccgatgc cccccccg ccggaggtggag gagaagaagg aagatgaggc ggagaagaag 120
 aaggacgatg agaagaaggc agagcccagc ccgccgaagc cggaggagaa gaaggagccg 180
 ccggtgatcg ctgtggtgct gaagggtcac atacactgcg aggcgtgcgc cgaggggatc 240
 aagaagagga tcctcaagat gaaaggcgtg cagtccgtag aaccggacct caaggcgtcg 300
 gaggtgacgg tgaagggcgt gttcgaggag tccaagctgg cggagtagct gtacaagcgc 360
 acgggcaagc acgcggccgt cgtcaagtcc gagccggccc cggcgccgga gggcggcggc 420

ggcgacaagg cggccaagga ggaggagaag aaggatgcag gcggagccgg aag

473

<210> 11277

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H1

<400> 11277

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attattgaac tataactcat aagaaatcta aaagagggca ccaccaatga tgggttggtg 120
gtagaatgct gttgggtttg tcaaagcaag ttggttgaat ggcagcaatt gttgcagttg 180
taagaggggtg ccagcgttag gcgcagcgtg ctggtagaac ggcaacaatt gtggttgtgt 240
caagaaggta gcagggctca caccagctag ctggctgaat ggtagtagtt gttgctgctg 300
taaataagca ggagagttca aagctgtcag ttggttgaat ggaagaaatt gctgggggta 360
ggcagcagat agctggctga atggaagatg atgttggtgc aaataaaaag cagagtt 417

<210> 11278

<211> 538

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H10

<400> 11278

gacgactcaa ttcagatggt tattactgct gccaggccat tccatatgta tacatcccgt 60
cgagtcacga aagaaacgca aagcaaacca ccaggaggag atgacaaatc atcaaattca 120
gttcatgaca gaccagggcc accagggcct cattcttgat catagcaaac acaggaaatc 180
aatatctcaa cctatagtat cgatggtcag gagataaact gactgtttct aggggtgcac 240
catatctcct tccatgagtg aaactctatc gccagtcttg ctgagcagct tccacaatct 300
acagattttt cccttctttc tcctcaatgg tctttgcctt gcgataatcc ttgtccgtgc 360
cgaacaacca gtccatgtaa acaaatgttg aggcatagtt ccctgacttt gtgtacagca 420
cacggtgatg gtagtcatgg aagtccgagc cgccatacag cggcaggaaa tttgatgggc 480
tccatgggaa gtgatagccg ctgtgagctt caactgtctc caaaaccctt aacaccat 538

<210> 11279
 <211> 254
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H2

 <400> 11279

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 tgttaagatt gcaccggggc tgtattttacc agcacatccg tgcttctacg taaacactat 120
 ataacaatta taagcagttt caattgcaac catataaaca ctttgaagga gcgtcagtg 180
 cttcaactag ttcagtgacc catgttgatc tttattttcaa ttgtgcagta tgtttatatt 240
 tgcattactt caaa 254

<210> 11280
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H3

 <400> 11280

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 gtacatctca tttgtaattt aaaagatggc acctgcaacg aggggttgct gcctcgacaa 120
 gtgcaggatc caacaaaaag aactggttga atggtgacaa ttgttggttat ttgaagaagg 180
 gggagtcag tgggttagcc attaccaatg gtttaataa 219

<210> 11281
 <211> 72
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H4

 <400> 11281

 gggggggggg gggttttccc gggtagtcg ggccggggcc gggggggggg ggggtttggg 60
 ttggtggggg gg 72

<210> 11282
 <211> 126
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H6

 <400> 11282

 ggggggggggt gccttggtgg ttacacccgg ttttgggggt taaaggtttg gttggcccaa 60
 tgggtggaat tgttaccct cctgtggggg ttggtggtgg gtgggctttt ttgggggtgt 120
 ggggtgg 126

<210> 11283
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H7

 <400> 11283

 agtaaaaact gacatggggc tggtttggtc cccacttta ctggtgggat ggtaatttac 60
 aagagcctat cttcctgtgt atgttgccacc attgaaccaa aaacaatgaa gtaatcataa 120
 gttacacata tgtgggtaat cgagaagcgc taaaaatcg aaacctcgaa atataatgcc 180
 aaaacttttg cacagcgacc ttctcgccga caggaatctg attcgtttct tcaacaatca 240
 acatgaaatg tcaagctggt ggtctttcca gtagcatacc ttacctcaca tgaagcccgg 300
 gtcgagctaa gtgtcaggag aggggagact tcaggctgct taggtctcaa ctcacgacct 360
 catcggtatg tgaatggcta gtttccaagt tgaatttaag ctactggga tacacaaaga 420
 cagtccttgc 430

<210> 11284
 <211> 336
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-120-Q6-N6-H8

 <400> 11284

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 aaaggtgggg gaaattgggg gctaggggtg ttctggggga aaaatgggtt cccgccaaat 120

ttcccaaaaa aaaatagggg ggggaaaaaa agggaaaaaa ggggggggcc attggggggg 180
ggcaaacaaa aaaaaagggg tggggctgcg ggggcgtttt tcggggggga aaaccggggg 240
ggcgcttttt ttaatataag tgccaaaccg ggggggggag ggggttttgt tttggcgccc 300
aaggggggtt tttttttccc gggggggggg gggaaa 336

<210> 11285

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-120-Q6-N6-H9

<400> 11285

cagaaatata ttgagataaa tctcaatcaa tatattgatt atttctagga aacacatgcc 60
ggaatgaggg caccattatc gagtacatct catatgtaat ctaaaagatg gcacctccaa 120
cgatgggttg ctgcctcgac aagacagggg ttatcaaaga gaactgggtg tatggcagca 180
attgttgctg ctgtaggaag gcagcgacca atgggttagc cactgctagt ggattaagta 240
actgttgctg ctgttgtagg tacgcagcag agttcgacat agtcagttgg ttgaatggaa 300
gcagctgttg caagtaggca gcagggttg ccacaactag ctgagtcaga gctggtacaa 360
tctgttgcaa caattgttgt tgcaggtatg taggtgcatt ggccacagcg agcgggctag 420
atgaaagcag ttgttgctgt tgtaggtagg cggcaggggt caccatggct agttgactga 480
gcgctggcag aaactgttgc agctgttggt tgtggctggt ttgcaacta 529

<210> 11286

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A1

<400> 11286

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ggatttccac ttattggggg ttttaaaaat gggccccccc atgggtgtgt ttttgtaaaa 120
aggtttttgg ttttttaaaa aaaatttgac caaggggaaa aatttgttgt gtttttaaaag 180
gggtgggggg tttaacaaaa aatctgtttg taaaaggag atattttttt ttttattaaa 240

aagaatgggg gttttttttt atttgtttga aaaatgtttt taattttttt tttggaaaaa 300
 aaaatagggg gtttatgggg gccaattttt taaaaaaaaa aaattttttt gtttgggtgg 360
 gtattttttt tatttggttg taggggggtg ttgggttttt tttttatttg agtatagttt 420
 tttt 424.

<210> 11287

<211> 537

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-A11

<400> 11287

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 gctatgaggg caccattatc gagtacatct catatgtaat ctaaaagatg gcaccaccaa 120
 cgatggggtt ctgccacgac aaggcagggg tcatcaaaga gaactgggtg tatggcagca 180
 attgttgctg ctgtaggaag gcagcgacca atgggttagc caccgctagt ggattaagta 240
 actgttgctg ctgttgtnng tacgcagcag agttcgacac agtcagttgg ttgaatggaa 300
 gtagttgttg caagtaggca gcagggtttg ccacagctag ctgagtaaga gctggtacaa 360
 tttgttgtag caactgttgt tgcaacaact gttgttgtag gtatgtaggt gcattgcccc 420
 tagcgagcgg gctttatgaa agaagtgttg ctgtttgtgg ttggcgatag gggtcaccat 480
 ggcttgttga ctgagccctg ggagaaaactg ttgcaactgt tgttggtgtt ggtttgc 537

<210> 11288

<211> 351

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-A3

<400> 11288

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 tttttttttt tattggggaa gggattataa attatgggga cgaaaacgcg ggaaatattg 120
 gggggccaag tgagagctac gttatgtggg gggggggggg cgcacaggac aaatgggggg 180

gcttggacgt gngccgaat aaatTTTTTT tttttaaccc tggggggttg tactgggggg 240
 cgggggaaaa aaaggttaac ttgtgggggt ttgagggggg gacaatattg ggaaacccgg 300
 ggggaaattc cggggctttt gaagaattaa gggggcgatt ttgggcgggg g 351

<210> 11289
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A4

<400> 11289

acattagaat ctggaaatgt aactTTTTat ttctggttgg ccacatacat catccaaaaa 60
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 tgttggtagg aggctggtgg gtttgtcaaa gcaagttgga caaagggcaa caattgttgt 180
 agttgtaaga gggttgcggg gtttgccgta aactgtttgt tgaaaggcag taactgttgt 240
 tgtgttaaga aggaagtact acttgctgca gctagctcgc taaatggcag tagtatttgt 300
 tgggtgtaa atagtggtggg gtttagtggg ggcaattggt taaatggaag aggttgttgt 360
 tgctggaagt tgggtgtttgc tagctggcta aatggtaata 400

<210> 11290
 <211> 299
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-A5

<400> 11290

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 ttgtgcgctg gaaacaaaa ccgcatatag gtctcaaaaa actctaaaca ttggttaaaa 120
 caggaaccga tacgactggg cgggcgagca taaaagtttc cagcgcgaga gtgcgccagg 180
 atacaagctt cgttcaacgg ttggccttgg caacacgctc aatctcgggc ttgttcttga 240
 tgggtgtaact gttggatgag cccttgggtg ggtgggttagg ttatttggag gggactcgg 299

<210> 11291
 <211> 542

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-A9

<400> 11291

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agaaatgtac tttcttattt ctgggaagcc acaaacatca gnataaaaaa ctttattatt   60
gaactataac tcataagaaa tctaaaagag ggcaccacca atgatgggtt gttggtagaa  120
cactgctggg tttgtcaaag caagttgggt gaatggcagc aattgttgca gttgtaagag  180
ggtgccagcg ttaggcgcaa cgtgctggta gaacggcaac aactgtgggt gtgtcaagaa  240
ggtagcaggg ctcacaccag ctagctgggt gaatggtagt agttgttgct gctgtaaata  300
agcaggagag ttcaatgctg ctagttgggt gaatggaaga aattgctggg ggtaggcagc  360
aggtagctgg ctgaatggta attgttggtt ttgcaaataa gaagcagagt tcaatgaacc  420
tagttgggtg aatggaaaaa actgctgttg ctgagagtag gcagcaaggt ttgctagcac  480
aagttgttgt agttgttggg cccctgagtt ttgtgcccac aaatgcgcca aaggttaactg  540
tt                                                                 542
  
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<210> 11292
 <211> 328
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-N6-B1

<400> 11292

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gttggttgaa tggcagcaat tgttgcagtt gtaagagggg gccagcgtaa ggcgcagcgt  180
gctggtagaa cggcaacaac tgtggttggt tcaagaaggt agcagggctc acaccagcta  240
gctggctgaa tggtagtagt tgttgggtgt gtaaataagc aggagagttc aatgctgtca  300
gttggttgaa tggaaaaaat tgggtggg                                     328
  
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<210> 11293
 <211> 529
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B10

<400> 11293

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aatggcaatc ataaccatca ttgtccaagt atgaaacact aatcaaattt ctctgtaaag 120
agggaacata aagaacatct ctaagtaaaa gcggtgaaacc atcagcaagc tctaagagaaa 180
gatcgccaac ggcttcaaca tctgcttgga ctccatttgc acttctttgt gtagtcctcg 240
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aagtagattt tgaatatcgt acatatagga attcatttac aaatatgata atattctcac 360
atttctttgc catgaccatt ttcaagaact tgggatagtc tttctttag tagttcttct 420
tcttgcaggg aagacactgg tctttctcca ctgtgaattt ctgttgctga tgctgaggag 480
cctttccctt tgaggaggag ttagcattaa aggtcttttt cttggtttc 529

<210> 11294

<211> 57

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B11

<400> 11294

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<210> 11295

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B2

<400> 11295

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gaaacacatg ccggaatgag ggcaccatta tcgagtacat tttatatgta atttaaaaga 120
tgggaccttc aaagatgggt tgatggctgg acgagacagg gtttataaaa gagaactggt 180
tgtttggcag caattgttgt tgttgaagga agggagtgc caatgg 226

<210> 11296

<211> 126

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B3

<400> 11296

gatgtgaaaa aggtgcggtc tgagttgggg ggagcccccacacgagatt tataaatttt 60

gaagggaagt aggggggaga agaagaattt aaaaaggggc gcggccgagg agaggaagaa 120

ggggggg 126

<210> 11297

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-B7

<400> 11297

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taacagcatc catcgatcca cagtccatgc tggttgatgc atgggtctgc tggagccgag 120

gatgaacaca gactaaciaa ctgacacaga gcgaccttgc aatcaaaaac acagatgggc 180

aacaacaaac gagacgaacg aagataaacc ctctggacta gggtaaacad caccgtagcg 240

aacaggataa cttggccgcg cgggccccac cgtcagttc ctccagttcc cgtcggagtt 300

gccgtagccg ccgccacggt tgccaccgcc gtagccgtca ccaccaccac cgtagccacc 360

gtcggccaccg tagccgcccgc cgccaccgcc gtagccgccc cgtcattac ggggcccggc 420

accggcgtag ccggcgcttt caccgggcacc accgta 456

<210> 11298

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-C1

<400> 11298

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cacgaattcg aataaaagac gcgggggggt aaaacttnac gacactgtga ttagtgtggc 180
ggtaaacaac ataaaggaga agacacactg agttttgtga gcgccttatg acttggaccc 240
tgaagattta tttgaagatg ctttattgtg gttattgggt gcggggtaaa ttggctttta 300
aggatatgga gggttattat tgggtttgct gtgcattttg tttagaggat gcatatgggg 360
cttaagaact gttgtgtatg aagattgaaa gtttggggag ttttttagaa aaaccgaggg 420
ggaaaagttt tttttggtat ttgagagggg gg 452

<210> 11299

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C10

<400> 11299

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actgctgggt ttgtcaaagc aagttgggtg aatggcagca attgttgcag ttgtaagagg 180
gtgccagcgt taggcgcaac gtgctggtag aacggcaaca actgtgggtg tgtcaagaag 240
gtagcagggc tcacaccagc tagctggctg aatggtagta gttgttgctg ctgtaaataa 300
gcaggagagt tcaatgctgc tagttgggtg aatggaagaa attgctgggg gtaggcagca 360
ggtagctggc tgaatggtag ttgttggtgt tgcaaataag aagcagagtt caatgaacct 420
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<210> 11300

<211> 131

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-C11

<400> 11300

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atagaacca^t ggggaaacac acaactncnna cgccgtgcc^a gnacaacagg gagactataa 120
tcgacactcc t 131

<210> 11301
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C2

<400> 11301

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acacacattt tgggtcaaga caatccatgg gggggggggg gggtagacg^c ctgttggggg 180
gggtgctctg tagcttattc atgtggaatt taagcttttt acccttaagg gtgtacccat 240
tagtttgggc aactgttca ggacgggaag aaattatgcc aggaaccggg cactggcaaa 300
atgggttttta atgtgtgggg taaggggt 328

<210> 11302
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C4

<400> 11302

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aaaacttcat tattgaacta taactcataa gcaatctaaa agagggcacc gccaatgatg 120
ggttgttggt agaacgttgt tgggtttgtc aaagcaagtt ggttgaatgg cagcaattgt 180
tgcagttgta agagggtgcc agcgttaggc gcagcgtgca ggtagaacgg caacaactgt 240
tgttgtgtca agaaggcaac agggctcaca tcagctagct ggctgaatgg tggtagctgt 300
tgctgttgta aataagcagc agagttcaat gctgccagtt ggttgaatgg aagaaattgc 360
tgggggtagg cagcagctag ctgac 385

<210> 11303
<211> 483
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-C5

<400> 11303

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 tgcattctgag acctgcagac aacacactac attggccggt gtttggatta ttacaatttg 180
 gacgctgaac ggtagagctc gatgtagtcg agggcaggtc ggttccacga ccagtcctgc 240
 tccatgactc tcttgagag gcagtggaa cagctccggg catcgaacca agctgagatc 300
 gccctgttca gggcatagtc aacaccgttg ctatcagctc cgtcaaagct aaaccggtg 360
 ggctcaaggc ctgatctcg ggctcggttc ttgtcattgg ccacatcgaa gacagtgtcg 420
 aagagccctc cagtcttgcg gacaatcggg atgggtccat cccgnatggc gaccagctga 480
 gtt 483

<210> 11304
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-C6

<400> 11304

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 gtgccagcgt taggcgcagc gtgcaggttg aacggcaaca actgttggtg tgtcaagaag 240
 gctacagggc tcacattagc tagctggctg aatgggtgta gctgttgctg ttgtaggtaa 300
 gcagctgagt tgtttgctgc cggttggttg aatggaagaa attgttgggg gttggctgtg 360
 ttt 363

<210> 11305
 <211> 325
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-C7

<400> 11305

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gggtggcttg ggggggggtg tgggggaggg ggggggtccg ggaaggggg gggggggggc 180
gcctgagggg ggggggggtg tcttgggggg ggggcgtgta atctggctcg ggcggtgggg 240
ggggtgggtg ggggcggtg gggggggggg ggggtgccc cggtgctggg gtgggggggg 300
gcgggggggg gggggggcgg ggcgg 325

<210> 11306
<211> 99
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-C8

<400> 11306

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aaggggcggg agatcacggg gaaagggggg ggctttttt 99

<210> 11307
<211> 241
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D1

<400> 11307

taaaaagtac ttttttattt ttgggaagcc acaaacttat ccaaaaaatt gattattgaa 60
gtataactta taagcaatct aaaagagggc accaccaatg atgggttggt ggtagaacgc 120
tggtgggttt gtgaaagcaa gttggttgaa tgggaggaat tggtgcagtt gtaagaggg 180
gccagtgtta ggtgcagtg gcaggtagaa aggtaacaac tggtgttggt ttaagaagg 240
a 241

<210> 11308
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D10

<400> 11308

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tttgtagggg ggttttgggt ttttcaaac agggggggca aaggggaaaa attttttttt 180
ttttaaaagg gggggggggg tcccccaaa ccctttttta aaaggcctcc cgggccctgg 240
ggtgcccccg ggaatttcgg ccggggccct ggggggtccc aaattttctt ttttgggggtg 300
gtttttaa 308

<210> 11309
<211> 179
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D11

<400> 11309

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tcggtgtatc aaaaacttta gagctatgta gttgaaagac taatcaacac gcagttaac 120
catgagcaag ctttgtttta ttattacagt ctacgagtac ttattcaggc agatcactc 179

<210> 11310
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D12

<400> 11310

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gtccctgcgt ggggatggcc ccattcaggc aaacagaatt ctgggtcaaac cgatccatgt 120
tcccaggggg cgtgcagcaa ccctcattta cttacaaaag cccagagggc ttgttacatc 180
gacattttct catttttttt ggggcaaggg ggggggataac cccaacaaa aaataatcac 240

acattttgcc tatcttatac cacaccacat ttggcaatgt ccctctccgg cagtttctaa 300
cagacattaa cttgggcctc agctaatacat cgagtcgtca tccttttatc cagagatcac 360
ccccctacga aggcacattg tttccgtgca tgctcagggg ccaatttcac cataaaatcc 420
gccggccccgt ttttaaactc atgggggtta aaattg 456

<210> 11311
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D2

<400> 11311

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acagaaaatg tcaataaaat agtgaaaaga acatggtaga catggttacc tagccagaaa 120
cctagcaatc agaacatgcg ggggttaaacc tacatttatc ctaactaaac caaaagtatg 180
agaggggtttt gaaaaccag agccttcccg ggaagccttt catccaaaga attgtgaatg 240
agcaggcatc aggttttgca acaccaatgt tgtgatttac cataggtggt gggccctggt 300
ttacagaaga gagcatgtga ggggaactttc atgggttatg tggacgcca 349

<210> 11312
<211> 399
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-D3

<400> 11312

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tgctcacact gccacccatg gtgatgggtg aactacggtt actcatcgcc gctaaatgag 120
taaactagcg agctaggtag ctagtcagcg gctccattac attattacta cagtacatag 180
tttctcagt agtagacacc gtcggcagct gcgttgcaag ggcagggacc tggctgctgc 240
agntgcaggc cgnacattgc cgtcagctgc tgcgctacct gggccgcat cagcgccgtg 300
agctcgccct gcggttgctt ctgcaggaag gactgcagga ccacaccgta tgcggtggtg 360

taccggtgca ggggttccac ctgcctgaac tgggtgggag

399

<210> 11313

<211> 123

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D4

<400> 11313

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aagggggggg gggggtgaga aaagagaagg ggggggggtt ggttggtggg ggtttggggg 120

ggt 123

<210> 11314

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D5

<400> 11314

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caaccgatcg atatgacgat tatactccta tttattagca ccagctatat atatatagcc 120

atgtctggag tctggactag caagcaaccg agatcgatga tacagagata gattcatcgg 180

tttgcattgag catgacttgt tggcagccac tatgttacac caccatccac caacgcatgt 240

acaaagttct gcatcatcat cgcctgcct ccgcctgatg atgatagatc agtgcagcgc 300

cgtcaggaca gtagaccctt ccaccacctt gaaagtggca ccgcagatct cttcttcgtc 360

ggcgggggaca gcggggacct tgtgcttggg gttctcgtag cacttgagcc ctccgagggc 420

gttggagt 428

<210> 11315

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D6

<400> 11315

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 cctttttttt gggtttccac ctaatagcca atcaaaaagg gggccccccc aatgatgtgt 120
 tgttggtggg gggccccccg gcctgccaaa gcaggtgggc caaagggcac caattgttgt 180
 atttgaaaaa ggggtggcggg gttaccccca acccgctggt aaaaaggccc acctgttgct 240
 tggtaaaaaa gaaaccccg ttt 263

<210> 11316

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D7

<400> 11316

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 ctacattaca ctagcacaag caagcagcta cacatacttg tccatatcac ataaacgaaa 180
 cagcatatat aagaagatgt cccaacatct ttgcaccacg cgcgagatca ggggccctgc 240
 aggccgaact cttcagggcg cggccacgtt ctcttggcg agcggcgcgga tctcctcgcc 300
 ttctgaccct ggctcgccgc cggcgacccc gaggetgagc agcacgttct cccagttctt 360
 ggcagggccc ttccaggaga gatcctggat catgcagttc ctcaccatct cctcgtacgc 420
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<210> 11317

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-D9

<400> 11317

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 tttttttttg gggaaggga cccttttttt gggggggggc ccttcctttg ggcgcaaaaa 180
 attttttttt ggtttccccc gcaatggccc gtttaaaaaa ggggcccccc aaataatttt 240

tttgggcaaa aggggtcgggg gttattaaaa ataggggtggt aaaagggggc aaacttggtt 300
 tttttaaaaa aggggtggggg tttacccaaa aaaggggtgt gaaaagaaga taatttttgt 360
 tttttaaaaa aagaaggggg ggtgtggtct ccttgctggc caaaaggtaa atattatggg 420
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<210> 11318

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E1

<400> 11318

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 ttgggggggg gaaaaggggg taggagggga gggggggggg ggggagaaaa aggagggggg 180
 ggggaggggt aaaagaaaaa aggggggggg ggggggtgaaa gggggaggag gggagaaggg 240
 gagaaaaggg gaggggg 257

<210> 11319

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E12

<400> 11319

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 ttgggggggg gggcctgggg ttttaaaaaa cgggggggaa aaagggaata aatggtggtt 180
 ttttaaaagg gggggggggg ttcccccaaa acgggggggg aaagggaata aatttttttt 240
 tggtaaaaaa aaaaacacgt ttgccccca cccccgggca aaagggggaa aatttttggg 300
 ggggaaaaaa accggggggg ggccgggggg gcaaattggt aaaaaaaaaa aaatttgtgt 360
 ttttgaaagt tgcccctcct tcggggcgcg aaagggaata ggttgcggca aaa 413

<210> 11320

<211> 269
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-E2

<400> 11320

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attaaaaaat ttttaaattt tggggggggg gggggggggg ggaaaaattg aggggggggg 180
ggggggnaaa aaaaaaaaaa aaaaccaagc gtttttttaa aagaaaaggg ggatttttaa 240
aaaaaggtaa agattggggg aggggtattt 269
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<210> 11321
<211> 182
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E3

<400> 11321

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ttcttttggc caaaaaacgg gtttttggaa ttaaaactaa taaggaaata aaaagagggg 120
accgccaaag tagttttttg ggtagaaggc tgatgggttt ggtaaaggag ggggggcaag 180
gg 182
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<210> 11322
<211> 487
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E4

<400> 11322

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cggctattta ggttgggttg cctgaatagt ttgtgcagct cactcgaaaa atgcacaaag 180
tacaccgcca cgaggcctga ggaatccatg gttgcagggg gggcgactct agatggcccg 240
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actgggctgt gaggactaaa acgactgctt ggctaaggaa aaacacacac actgaccgat 300
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 tccacctctg tatctgacct agtagtgggtg gcctacgagt tggggatgtc tcacaaacta 420
 gtcgagtggtc tgtgactact agattgcttg ggagagctgg cctcctcatt atgatactga 480
 tgcagct 487

<210> 11323

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E5

<400> 11323

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 gttgcggggg tagccgcaaa ctgctggtag aaaggcagca actgttgctg tgtcaagaag 240
 gaagcacggg ttgctgcagc tagctggcta aatggtagta gtatttgctg ctgcaaataa 300
 gcagcggggg tcagtgcggc caattgggta aatggaagaa gttgttggtg ctgagagtag 360
 gcagtagcta gctggctaaa tggtaatagt tggtgctgca aataagcagc agggttcagt 420
 gtaaacagtt ggttgaatgg aaaaaattgt tggtgctgag agtagggaaa aaggtttg 479

<210> 11324

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-E7

<400> 11324

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 cagatcatga tgtgtcggtg cattgatcag gcctcgctgt cgtcggtgtc agcactggca 180
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ttctttatcct tgatgccaaag cttctgcatg tcgggggatca cagcgggtggg gtgggtcagcc 300
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<210> 11325

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-E8

<400> 11325

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 attttttgag attataccat cctcgtcatg tttgtgtgtg ttaatgctca attaaccgag 180
 tngcacacca caacgatgat ttatacttca ttactggtga tcttagagca aaataacttt 240
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 gaagcccaaaa catcagacaa aaaactttat tattgaacta ttactcataa gaaatctaaa 360
 agagggccca ccaatgatgg ggtggtggta gaatgctgct gggtttgtca aaacaagttg 420
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<210> 11326

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F10

<400> 11326

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 ggtagaatgc tgctgggttt gtcaaagcaa gttggttgaa tggcagcaat tgttgagtt 180
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gtaaataagc aggagagttc aatgctgtca gttggttgaa tggaagaaat tgctgggggt 360
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 atgcagctag ttggttgaat ggaagaaact gctgttgctg agagtaggca gcaaggtttg 480
 ctagcacaag ttgtttagt tggtggggcc tgatgttttg tgccaataaa tgcaccaaag 540
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<210> 11327

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F11

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 cacaaatttt cccaaaaaac cccccgtgag gggcaaaact cgctatcaac cccgcgcccc 180
 cccccgtggc ccccccgaa aatccccccc ccccccccg gggcccccca tttcccccta 240
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 ttcccccaaa aaaccccaca aaaaaaaacc ccggggcaca aaaagaaaaa accggggggc 360
 ccccaaagga gcgctccac accaaaaaaa aggcggggcc ccccccccc tttccccggg 420
 ggaaaaaacc ttgtcccccc ccccttat 448

<210> 11328

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F6

<400> 11328

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 tggcgaatca tccacctttt ttggttttgg gagctaaggc cgcaattcgt tcatgccacg 180
 gttttttttt ggttcacagg ccagacaaaa acaaccctgg gcaagacccc ttacctaatt 240

ctcaatgggc caaacccctaa aacgaaatcg cttgggaaaa tatgctggcg ccttaactca 300
 tcccccttcc ggacaaacag aaaattttgt tgggtctttt gaccgaggac aacccccccc 360
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 ggg 423

<210> 11329

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-F7

<400> 11329

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 gaagtggggc ttgttgtagc tagctggcca aatggtagta gtatttgctg ctggaaataa 300
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<210> 11330

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G1

<400> 11330

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 aaagagggga ccaccaatga tgggttgggg ggggaacgct tttgggtttg tgaaagcagg 180
 gtggttgaat ggaaaaaatt gttgcagttg taagaggggt ccagggttag gggcagtg 240
 caggtagaac gggaacaact gttgttggtg taagaaggga aaagggttaa aataaattag 300
 ctgggatgaa tgggtgta 318

<210> 11331
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G10

<400> 11331

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caaatgtttg atcactggca aagetaagcc gagggatctg gggctccctc aggtttgtct 180
gtctccatct gctcggtctg aggtcctct gggggctcct cgctggctgt gctttcgcca 240
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gtttcagctt tcttcttaag ggcagcagca aggagtaccg aattagcatg ctttggcaga 420
gcatacctgct gctgtttttt 440

<210> 11332
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G12

<400> 11332

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<210> 11333
<211> 381
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-N6-G2

<400> 11333

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ctagtaaaag ggcaaactct tgcattggcg agttcaaggg ctaaacaggt gtgggtccag 180
gcaagcacac tcaattgaag catttngcgt taagcaaggc ctgcacctaa aagggtcctt 240
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tccactcgta gagcttcatg ttatagacct ggtgcattac aaacttggga acattctggc 360
cacggaagag acaaaggccc t 381

<210> 11334

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G3

<400> 11334

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actgataatt tgactttagt ttgcagtggg ggggggtggc aaagggaac tgtggccac 180
atgtggtggt cccccagtta cacgtaactg tgtatcagag gctttcttat gttcttgaga 240
atcggagggg ggtggccttt tttgaggttg aagacgcttt cgatgactga gagctcgggtg 300
ggctg 305

<210> 11335

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-G4

<400> 11335

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aaagaagtcc atnccctga gggggggggg ggttgatact ttgggggggg ggacgagaca 180
tataatattt gctcgggaac aactggggca cgggaccctt cctttcttgc ttatcaccag 240
caaccaagcg ggccatttga gcttgcattg gggttctttt gagctggcgt tgttactggg 300

gttgcgtttt tggcctttgg ggttncggtg tacagggaaa aaccatgtta ggtttaccac 360
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 gt 422

<210> 11336
 <211> 276
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G5

<400> 11336

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 ttttttttta aattttattt tacagggggg gggggggggg gtcctttggg ggggggcggg 180
 cgggtttaga aaaaaagggt agggagcccc atttttttat tgggaacccc cccttttggt 240
 tttggggggg tgggggggtt ttttgggggt gtgggg 276

<210> 11337
 <211> 477
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G6

<400> 11337

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 gttgttggtg gaacactgtt gggtttgtga aagcaagttg gttgaatggc agcaattggt 180
 gcagttgtaa gagggtgcca gcgttaggca tagcgtgcag gtagaacggc aacaactggt 240
 gttgtgtcaa gaaggcagca gggctcacat cagctagctg gctgaatggt agtagttggt 300
 gctgctgtaa ataagcagca gagttcaatg ctgctagtgt gttgaatgga agaaattgct 360
 gggggtaggc agcaactagc ttgctgaatg ggaattgttg gtgcaaataa gccgcagagg 420
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<210> 11338

<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G7

<400> 11338

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tgcctgggca ggacaggatt catcaaagag aacgggttgt gtggcagcaa ttgttgctgc 180
tgtaggaagg cggcgaccaa tgggttagcc actaccaatg gattaagtaa ctgttgctgc 240
tggtgtaggt cccagcaga gttcgacaga gtcagttggt tgaatggaag cagctgttgc 300
aagtaggcaa cagggtttgc cacagctagt tgagtcagag ctggtacaat ctgttgcaac 360
aattgttggt gcagggttgt aggtgcattg cccacagcga gc 402

<210> 11339
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G8

<400> 11339

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ctacattaca ctagcacaag caagcagcta cacatacttg tccatattac ataaacgaaa 180
cagcatatat aagaagatgt cccaacatct ttgcaccacg cgcgagatca ggggccctgc 240
aggccgaact cttcagggcg cggccacgtt ctcttggcg agcggggcga tctcctcgcc 300
ttcgaccctt ggctcgccgc cggcgacccc gaggtgagc agcacgttct cccagttctt 360
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cggcgtgccg accaccttga tggcgcgctg gaatgtgg 458

<210> 11340
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-G9

<400> 11340

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gctgccacaa caaggcaggg ttcatcaaag agaactgggtt gtatggcagc aattgttgct 180
gctgtaggaa ggcagcgacc aatggggttag ccaccgctag tggattaagt aactgttgctc 240
gctgttgtag gtacgcagca gagttcgaca cagtcagttg gttgaatgga agcagctggt 300
gcaagtaggc agcagggttt gccacagcta gctgagtcag agctgggtaca atctgttgca 360
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<210> 11341

<211> 240

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-N6-H1

<400> 11341

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ctgttgggtt tgtgaaagga ggttggttga atggtaggaa ttgtgtgagt tgtaagaggg 180
tggtaggggtt aggcatagtg tgcaggtggt aagggaacaa ttgttggtgt gttaagaagg 240

<210> 11342

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H10

<400> 11342

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gctgccacga caaggcaggg ttcatcaaag agaactggct gtatggtagc aattgttgct 180
gctgtaggaa ggcagtgacc aatggggttag gcactgctag tggattaagt aactgttgctc 240

gctgtttag gtaccagca gaggcgaca cagtcagtg gttgaatgga agcagctgtt 300
gcaagtaggc agcaggggtt gccacagcta gctgagtcag agctggtaca atctgttgca 360
gcaattgttg ttgcaggtat gtaggtgcct taccacaac gagagggcta gatgaaagcc 420
attgttgctg ttgtaggtag gcggctgggt tcaccatg 458

<210> 11343

<211> 525

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H11

<400> 11343

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aacaaagaag atacaaaaga gaccagagta gcggcaacat taagtattca tcgtttcaac 180
atgaaaccct taatcaattc cttcatcaca agagtatcgg gtgtcttttag ccatagttca 240
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gggagaactt gatgggggtgc tcctcggggc cgggtgcgtat ggaaccggag acgaagacga 360
gcatgcctcc ctggggaccc gatggctggc agtctacggg gacgatctga tgctcgcagg 420
cctggaaagg gagagatccg agcttgccgg caatggcgga ggggccctgg aacttctggc 480
cctcgaaggt gagcatggag gttttctggg acagcccaac cagcg 525

<210> 11344

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H12

<400> 11344

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tcgtcgacgc catgggcctc ctgctccctc gatactccaa cgtccattcg cttgtctaca 300
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 agatccaccg attcgagcag ggcgacgtgg tggccatgcc ggccggcgcc cagcaotggc 480
 tgtacaacga cggcgacgcg ccgcttctgg cggctctacgt cttcgacgag aacaacaaca 540
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<210> 11345

<211> 201

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H2

<400> 11345

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 ggagtttaac catgagtaag ctttgggggg ggggttagagt ttaggagtag ttatttggtt 180
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<210> 11346

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H3

<400> 11346

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 gaggggtggg gggggggggg 320

<210> 11347
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-N6-H4

 <400> 11347

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 caccgactctg ccaccgncag cgccgcggggc ggcaggtttt gcccggcatt cagttgtttt 180
 gacaccgtgt tctggtcgat gaagttgaac agggcgagc 219

<210> 11348
 <211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-N6-H6

 <400> 11348

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 tgggttgctg cctcgacaag acagggttta tcaaagagaa ctgggtgtat ggcagcaatt 180
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 gctgttgcaa gtaggcagca gggtttgcca caactagctg agtcagagct ggtacaatct 360
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<210> 11349
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-N6-H7

 <400> 11349

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aagcagcgag gttcagtgcg gccaatgggt taaatggaag aagttgttgt tgatgagagt 360
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<210> 11350

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H8

<400> 11350

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gacgacggta tgcaagtatg tttggtgaga tgaggtgtca gcatagatgt ccaccaaggt 240
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<210> 11351

<211> 511

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-N6-H9

<400> 11351

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<211> 629
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A1
<400> 11352

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<210> 11353
<211> 667
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A10

<400> 11353

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<211> 634
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-A2

<400> 11354

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catgcgattt gggcgcaagg ttgaggaccc tgacatgtta gaaaggattc ggctaaccat 480
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<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<211> 649
<212> DNA
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<400> 11356

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<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-A5

<400> 11357

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<210> 11358

<211> 682

<212> DNA

<213> Zea mays

<223> unsure at all n locations
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<400> 11358

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ttatttacag cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac 600
cttcttgaca caaccacaat tgttgccgtt ctaccagcac gctgcgccta acgctggcac 660
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<210> 11359

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-A9

<400> 11359

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caatacccaa ctatacaatc ctacatggta caagaggcca tccaagcaag catcttacgg 240
tcattagcat taacctcca acaaccatat gctctattgc aacagccatc cttagtgcatt 300
ctgtatctcc aaagaatcgc ggcacaacaa ctacaacaac agttgctacc aacaatcaat 360
caagtagttg cagcgaacct tgctgcttac ctccagcaac aacagtttct tccattcaat 420
caactagctg ggggtgaaccc tgctatctac ttgcaggcac aacagctact accatttaac 480

caacttgtcg ggagccctta tgccttctta ctgcaacaac agcttctgcc attccatctg 540
 caagctgtgg caaacattgt tgctttcttg agacacaaca tttgttgcca ttttaccac 600
 aagttgtggg aaacattaat gccttcttgc acagcaacat tgctaccatt cta 653

<210> 11360
 <211> 661
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-B1
 <400> 11360

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 aggaggaggt gcagatgcag atgcagatgc cggaggccgc tgatctggcg gcggcggcag 240
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<210> 11361
 <211> 665
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11361

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<210> 11362
 <211> 93
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<210> 11363
 <211> 681
 <212> DNA
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 <223> Clone ID: LIB3061-083-01-K6-B12
 <400> 11363

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 aaccaattc ttcaacctta caggatccaa caggcaatcg cagctggcat cttaccttta 240

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<210> 11364
 <211> 692
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-B2

 <400> 11364

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 tgagaagtac acctggaagc tctactccga gaggtgatg acctgaccg gcgtgtacgg 360
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<210> 11365

<211> 663
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-B3

 <400> 11365

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agcgccacgc gcacctacgt ccgcgacgcg cgcgccatgg cggccacccc ggccgacgtg  240
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<210> 11366
 <211> 657
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11366

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<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B5

<400> 11367

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agttgtgatt acaacaagta ttgcggatcc tgtcacttta aaccattggt tagttgcctt 360
aatcaaagtg agggtcagaa ttgtatgggt ttctttgata ttgcagtaga tgctccacta 420
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<210> 11368

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B6

<400> 11368

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 cctcttaca ctgcaacaat tgctgccatt caaccaactt gctttgacaa acccagcagt 600
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<210> 11369
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-B7

<400> 11369

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<211> 638
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 11370

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<210> 11371
<211> 687
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-083-01-K6-B9

<400> 11371

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<210> 11372
 <211> 671
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-C10

<400> 11372

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<210> 11373
 <211> 626
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C11

<400> 11373

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<210> 11374

<211> 679

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C12

<400> 11374

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accccgatcc tgggccagtg cgtcgagttt ctgaggcatc agtgcagccc gacggcgacg 480
ccctactgct cgctcagtg ccagtcgttg cggcagcagt gttgccagca gctcaggcag 540
gtggagccgc agcaccggta ccaggcgatc ttccggttgg tctccagtc catcctgcag 600

cagcagccgc aaagcggccc agtcgcgggg cttgtggcgg cgcagatagc gcagcaactg 660
acggcgatgt gcgggctgc 679

<210> 11375

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C2

<400> 11375

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acgccaacga ggtgcccag accgcggaga acttcgcgc gctgtgcacg ggcgagaagg 180
gcgtgggcaa gtccgggaag ccgctccact acaagggtc caccttccac cgcgtcatcc 240
ccgagttcat gtgccagggc ggcgacttca cccgcggcaa cggcacggc ggcgagtcca 300
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tctccatggc caacgcggg cccaacacca acggctccca gttcttcac tgcaccgtcg 420
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tcgtgactg cggacagctc tcttagatct ctctgatctg gtctgttcgg ccgcctctcc 600
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gag 663

<210> 11376

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C4

<400> 11376

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ctcctatagc ttcccttctt cccccgtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180
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 taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt 600
 tgccgttcta ccagcacgct gcgcctaacg ctggcacccct cttacaactg cacaattgct 660
 gccattcaac caacttgc 678

<210> 11377

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C5

<400> 11377

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 agggggcggt agccggtagg tgtccgctgt tcttgacgcg caagtcggac cgtaccgctc 180
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 tccgcgcaag ggtatggatg cgggatgccc aatctaaagt acccgctcct acatccacgc 360
 acgcacacag acaaaaccct ttattatta ttactagtcg gttgcccgtg cgttgcgacg 420
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<210> 11378

<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C6

<400> 11378

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cgaggtatca cctaattccc agcttgttct ccctcatctg gcctggcgca ggtagaagca 120
ctatcgacag tagtgccgcc acttcaagca gggccgtgcc gccacttcaa gcagggccac 180
ttcaagcagc gccgcccttc gctaccaaga actcgaccta tgaggctgtg aggagtacta 240
caagaaaaaa tttggcagat ccaataactaa aggttggtaa aagtaatcaa cacacttttg 300
acatattagc atggtggaaa gcacacaaaag aagatgggtc acaccaaaga ttggatagct 360
agagcaagaa aaggttccaa ggctaagagt gttgctattc ctaatatggt ttatgaaatg 420
gatgaacttg aggtctttgc aagaaatcct tcatttgagg atgaagacct agatgatgat 480
aatgatgatg gacctgaggc atcgttgtaa gcttggtgat gaagatctag atgatgataa 540
tgtaccatga atgctatgaa tgtttcttat tgtacttgct ccataatgtt ttgtgacctt 600
gcaaacttgg gacttgtgga cttgtggctc ttgaacctat gatgaacttg tatattat 658

<210> 11379

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C7

<400> 11379

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gcaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtg cttcggtatg 180
tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagctg gcactttacc 240
tttatcacc ttgttctctc aacaatcatc agccctatta caacagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacagc agtttcttcc attcaaccaa ctaggttcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta cctgctgct acccccagca 480
attttctcca ttcaaccaac tagcagcatt gaactctcct gcttatttac agcagcaaca 540

actactacca tttagccagc tagctggtgt gagccctgct accttcttga cacaaccaca 600
gttgttgccg ttctaccagc acgttgcgcc taacgctggc accctcttac actgcaacat 660
tgctgcattc accaacttgc ttg 684

<210> 11380

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-C8

<400> 11380

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cattattcca cagtgtcac ttgctcctag tgccattatt ccacagttcc tcccaccagt 180
tacttcaatg ggcttcgaac atccagccgt gcaagcctac aggctacaac tagcgcttgc 240
ggcgagcgcc ttacaacaac caattgcca attgcaacaa caatccttgg cacatctaac 300
cctacaaacc attgcaacgc aacaacaaca acaacaacag tttctgccat cactgagcca 360
cctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcat ccaaccact 420
tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt ttatgccagt 480
gtcagtcac ctagccatgg tgaaccctgc cgtctaccta caactacttt catctagccc 540
gtcgcgggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac aaattgtacc 600
agctctgact cagctagctg tggcaaacc tgctgcctac ttacaacagt tgc 653

<210> 11381

<211> 665

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-C9

<400> 11381

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actttgcatg ccaaccacct cccacgtggt gatgcagcag tggaacggcc attggtcagg 180

ctgctgaagc catttgatga gcttgttggt gacagcaagg attttgatgt cgctgcactg 240
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aaccacccat acctcatgaa attcttccaa agctcagccc ccaaggctat gctgtttttg 360
aacttctcca ccggaccttt tgattctttc aagtctgctt actctgctgc cgcgaggagaa 420
ttcaaggaca aggaaatcaa gttccttatt ggtgacatcg aagccagcca ggggtgccttc 480
cagtactttg gcctgaaaga ggaccagaca ccccttatcc tcatccagga tggtgactcc 540
aagaagttct tgaaggttca cgttgaggct gaccagatcg tctcttggtt gaaggagtac 600
tttgacggca aattgactcc gttcaggaag tctgagccta ttcntgagt caacaatgag 660
cctgt 665

<210> 11382

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D1

<400> 11382

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gctcacaagc tcctatagct tcctttcttc ccccatacct ctcaccagcg gtgtcttcag 180
tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcgca gcaggcatct 240
tacctttatc acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg 300
tgcatttggt ggcacaaaac atcaaggcac aacaactaca acaacttggt ctaggaaacc 360
ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactgggt gcattgaact 420
ctgctgctta tttgcaacaa caactaccat tcagtcagct agctgctgcc tacccccagc 480
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agctaccacc attcagccag ctagctgatg tgagccctgt tgcttcttg acacaacaac 600
agttgttgcc gttctacctg cacgctgcgc ctaaacgctg caccctctta caactgcaac 660
aattgctgcc attc 674

<210> 11383
 <211> 678
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-D11

 <400> 11383

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tggcgctcgaa gcggatcctc aaggagctca aggacctgca gaaggatcct cccacctctt 180
gcagcgcagg ccctgttgcc gaagatatgt tctactggca ggcgacgatt atggggccat 240
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ggactcagaa atatgcaatg ggctgacaag ctattggtct ctgtagacc taaagcacgt 600
actgccttct gtaactgaaa ccagatgtct aaattaattt gtccattcgt gcatcgaact 660
tttgatatat aatggaag 678
  
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<210> 11384
 <211> 264
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-D12

 <400> 11384

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acttgctttg acaaacccaa cagcgttcta ccaacaaccc atcattggtg gtgcctctt 180
ttagattgct tatgagttat acttcaataa tgaagttttt tggatgatgt ttgtggcttc 240
ccagaaataa gaaagtacat ttct 264
  
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<210> 11385
 <211> 669
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-D2

<400> 11385

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 gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc 240
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 cttgctgcct actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
 tctgcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc 480
 cagcaatttc ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag 540
 caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgatacaa 600
 ccacagttgt tgccgttcta ccagcacgct gcgcctaaac gctgcaccct cttacactgc 660
 aacattgct 669

<210> 11386
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-D3

<400> 11386

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 gcgncgcgcy cccccccga accgcggacc agcgngggg gggggggggg ggggaaccag 180
 ncccccaacc ccacaggagc caacaaaaaa acacagacgg cagccgaccg caaggacca 240

cggggccgcg gcaaacacga cccccagcac agcaacgacc cngggggcan ccaccggcac 300
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 gcaacagcaa gggccgccag gcaaccaacn agccgcacgg aaccccgnc cncaagcgca 420
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<210> 11387

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D4

<400> 11387

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 gctacaacta gcgcttgccg cgagcgcctt acaacaacca attgcccatt tgcaacaaca 180
 atccttggca catctaacc tacaaaccat tgcaacgcaa caacaacaac aacagtttct 240
 gccatcactg agccacctag ccgtggtgaa cctgtgcacc tacttgcaac agcagctgct 300
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 acaacagtta cttaatccat tggcagtgcc taaccattg gtcgtacct tncgtcagca 660
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<210> 11388

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-D5

<400> 11388

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gaggcagctt tttgtgcggg attcgaatct gcacagcagc actttgttaa tttcatgagg 180
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<210> 11389

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D7

<400> 11389

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gaaccctgcc gctacctac aacagcaaca actgctttca tctagccctc tcgttgtggg 540
taatgcacct acatacctgc aacaacaatt gctgcaacag attgtaccag ctctgactca 600
ctagctgtgg caaaccctgc tgctacttg caacagctgc ttncattcaa ccactgactg 660

tgtcgaactt ngctgcg

677

<210> 11390

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-D8

<400> 11390

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<210> 11391

<211> 707

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-D9

<400> 11391

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tatcagcagg gccagngaaa aatcacaaca gcaacaatgt cattgccagg agcagcaaca 240

gactacaagg tgcagctata actactatag cagtagctca aatctaaaaa attgtcatga 300
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<210> 11392
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-E10
 <400> 11392

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 gttattattc atcggttaaca ctaggacttt ggggtggacg ggcagtaagc atgtatttac 540
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<210> 11393
 <211> 690
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E11

<400> 11393

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cgcgggcgccc tcgcgggcgg tcttcgtcga caagagcacc cgtgtgatct gccagggcat 180
cacggggaag aacggcacct tccacaccga gcaggccatc gagtacggca ccaacatggc 240
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tgtagcagaa gctaaggctg aaacaaaagc caatgcactt gttatatatg ttccaccacc 360
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tacggaagga attcccagc atgacatggc gaaagtgaag gctgcactaa atagacaatc 480
taaaactcga ttgattgggc caaattgcc tggatcatt aagcctggcg agtgtaaaat 540
tggaatcatg ccagggtaca tcccacaagc ctggcgctatt gngattgtat ctggttctgg 600
taccttgaca tatgaagcgg tgtttcaaac aacagctgta ggcttggggc agtcaacttg 660
tgtangcatt ggtggtgacc cattcaatgg 690

<210> 11394

<211> 659

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-E12

<400> 11394

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ctacttttcc accagtcacg ggaccatgcg gctgtggctg tcgacgatgc ctcatcactt 180
aaacccccctg ctggtagcaa acaccaccag ggccctgctg ctaacaaaaa ccaaggcctg 240
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gacaagttct gaatttatgt ccctgctctc catgggcatg ttcggttccc cgggaatggc 360
cgtctggaac gaatcctggc cggattgttt ctctaattta tataagcttt gatcagttgg 420
aacgattctt gggggaattt cgggataaat gaacaggccc taatgcgtct ccgtgacctg 480

gttaaggcgg cataatctag gcagatgtaa aaaacaagta tattgtgtac ccaatagtct 540
 gtagcctgtt ccaatcacat tggttttgac atgcttgtat cctatgggta ggcgccggtt 600
 gtgctctcta gtggcggtga ctcacatatg tgtaatctaa aaaaaaaaaat ctttctttc 659

<210> 11395
 <211> 662
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-E2

<400> 11395

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 gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
 tcacccttgt tctccaaca atcatcagcc ctattacaac agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc 360
 tactctcagc aacagcagtt tcttccattc aaccaactag gttcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgacctacc ccagcaattt 480
 cttccattca accaactagc agcattgaac tctcctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg 600
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 ct 662

<210> 11396
 <211> 694
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-E3

<400> 11396

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tctagcāgca gccaccgccc cctcactctc gcagccgccc tctgtctctc cgtgtctcgc 120
gctgccagcg ccagcgccgg gacctctgc gtgccgggggt gggccatccc gcacaacccg 180
ctcccagagct gccgctggta cgtgaccagc cggacctgcg gcacgggccc gcgcctccc 240
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tgcacggcgc tgagcatcct catggacggc gcgatccgc cgggcccggg acgcgagctg 360
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tggattctcg gcggcggaac gatgccctcc aagtaactgc gaagagcata gtgcatgagg 540
aatgagcttg tagctagctc atatgtctga ataataagca cagcaagaag atgaatgcat 600
ttctcggatc gttcatccgg aacataatta aagggatccg natttgttct tgtgatatat 660
taacgattcc tgtatacttg gaagtagcta gctc 694

<210> 11397

<211> 632

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E4

<400> 11397

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ggctgccagc gccagcgccc ggacctctg cgtgccgggg tgggcatcc cgcacaaccc 180
gctcccagc tgccgctggg acgtgaccag ccggacctgc ggcacgccc gcgcctccc 240
gtggccggag ctgaagagga gatgtgtccg ggagctggcg gacatcccgg cgtactgccg 300
gtgcacggcg ctgagcatcc tcatggacgg cgcgatccc cgggcccgg acgcgagct 360
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caccctcgtc acggaggccc agtgcaacct ggccaccatc agcggcgctc cgaatgccc 480
ctggattctc ggcgccggaa cgatgccctc caagtaactg cgaagagcat agtgcagag 540
gaatgagctt gtagctagct catatgtctg aataataagc acagcaagaa gatgaatgca 600
tttctcgaaa aaaaaaaaaa aggcggccgc tc 632

<210> 11398
 <211> 685
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-E5

<400> 11398

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aatactcaca agctcctata gctgcccttc ttcccccata ctttccatca atgaccgctt   180
cagtttgtga aaaccagcc ctccaaccct acaggctcca acaagcaatc gcaacaagca   240
acttaccttt atcacccttg ttctttcaac aatcgccagc cctatctttg gtgcagtcac   300
tggtacaaac catcagggca caacagctgc aacaactcgt gctaccagtg atcagccaag   360
tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca ttcaaccaac   420
tgtctacact gaaccctgct gcttatttac aacaacaaca actactacca ttcagccagc   480
tagctactgc ctactctcag cagcaacaat ttcttccatt taaccaattg gccgcactga   540
acccctctgc ttatttccag cagcaaatac tactaccatt tggccagcta gctacaacaa   600
gccccacttc ctttttgaaa cacaacaatt gcttccgttc taccagcnag ttgtggctaa   660
ccccgcaacc ctcttacaac tgcac                                           685
  
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<210> 11399
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-083-01-K6-E7

<400> 11399

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agcaggggtgg tatgcaaaaa ctttaaaaag cttaaaaata tgtcgttcac acaaagaaca   180
cgatacgaat ctgtagtaca gaaaacatcc agtgctgcta tgggatcttg ctaaactgaa   240
  
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attctgtgcc tgccttttgc gattctccgg gcaatcacct tgcgcccacc cttggtcgat 300
 ttacgtgtaa ggaatccatg ggttcttttc cgcttgatgg tactgggctg gtaagttctt 360
 ttcggaagca actggagagg gtcattagca acaggatcct caacgtcgtc gatgaagaag 420
 cggagcgagg ggaggccgca gggga 445

<210> 11400

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E8

<400> 11400

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 tgctcacaag ctctatagc ttcccttctt ccccgctacc tctcaccaac ggtgtcttcg 180
 gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240
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 gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgect actctcagca acagcagttt cttccattca accaactagc tgcattgaac 420
 tctgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480
 cagcaatttc ttccattcaa ccaactgaca gcattgaact ctctgtctta tttacagcag 540
 caacaactac taccattcag ccagctagnc tgggtgtgagc cctgtacct tcttg 595

<210> 11401

<211> 669

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-E9

<400> 11401

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 gtctttctgc aagtgtgct acggcgacca ttttcccaca atgctcacia gctcctatag 120

cttcccttct tccccgtac ctctcaccaa cgggtgtcttc ggtatgtgaa aaccaattc 180
 ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
 tcctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa 300
 acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420
 aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
 accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
 gccagctagc tgggtgtgagc cctgctacct tcttgaccaa ccacagttgt tgccgttcta 600
 cagcacgctg cgcctaacgc tggcaccctc ttacactgca acattgctgc cattcaacca 660
 actgctttg 669

<210> 11402

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-F1

<400> 11402

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 ctcacaagct cctatagctt cccttcttcc ccctacctc tcaccagcgg tgtcttcaat 180
 gtgtgaaaac ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240
 accattatca cccttggttc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
 ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttgctg tagcaaacct 360
 tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
 tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagca 480
 atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctgatgt gaggcctgct gccttcttga cacaacaaca 600
 gttgttgccg ttctacctgc acgctatgcc taacgctggc accctcttac actgcaacaa 660
 ttgctgccat tc 672

<210> 11403
 <211> 722
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F10

<400> 11403

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 tgaggtatct aagattcttt catattgcaa caccaaacga ttggctgtgg ttccacaagg 180
 tggcaacaca ggtctttag gtggaagtgt gcctgttttg gatgaggtga ttgttggcct 240
 tgcaggcatg aataaaatta tttcctttga taacgtaaat ggaattctta cttgtgaagc 300
 tggttgtgtg ttggagaatt taagtacctt cgtggaaaat gaagggttta ttatgccact 360
 tgacttggga gcgaaaggta gttgccacat cgggtggaaac atttcaacta atgctggcgg 420
 cctgcgtttt atacgctatg gttcacttca tggaaatggt cttggtcttg aagttgtcct 480
 ggctgatggg actatccttg atatgcttac tactttaagg aaagacaata ctgggtatga 540
 tctgaagcac ttatttatag gaagtgaagg ctgctagga gtagtcacca aaatatcagt 600
 acttacacct gcaaagctat cttcaaccaa tgttgcatth ctttcctgca atgattacac 660
 aagctgccag aaaatactac tgnacgctag gaggagcttg ngtgagatct tgtctgcatt 720
 tg 722

<210> 11404
 <211> 669
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F12

<400> 11404

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 ccaccgtttc atctaccgcc tccgttctat atgccgcctc cgttctatct gccgccgcag 180

cagcagccgc agccatggca ataccocact caaccacgc agctaagccc gtgccagcag 240
 ttcggatcct gcggcgtcgg cagcgctggc agcccgttcc tgggccagtg cgtcgagttc 300
 ctgaggcacc agtgcagccc ggcggcgacg ccctacggct cgccacagtg ccaggcgctg 360
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 tacgggtgtg tcttgcagtc ctctctgcag cagcagccgc agggcgagct cgcggcgctg 480
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 ggcccttccc cttgtaacgc agctgccggc ggtgtctact actgaggaaa ctatgtactg 600
 tagtaataat gtaatggagc cgctgactag ctacctagct cgctagtgtg ctcatttagc 660
 ggcgatgag 669

<210> 11405
 <211> 692
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F2

 <400> 11405

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 gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
 catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca gggctcatgac aagcagcaac aaccacaaca gcctcagcaa 540
 tatcagcagg gccaggaaaa atacaacagc aacaatgtca ttgccaggag cagcaacaga 600
 ctacaaggtg cagctataac tactatagca gtagctcaaa tctaanaaat gtcatgaatt 660
 tctaaagcag cagtgcagcc cctttgtaat gc 692

<210> 11406
 <211> 640
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F3

<400> 11406

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cgctagagag gaccggcggt gcactcccct ttctccaggc ggccatcgat gtcgctcacc 180
gcaggtctgg cctgttccgc gacccttcgg cggtgagcaa ggttaccgag atggcggcgg 240
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agttgcctga ggttaacatc actattcctg ttctcaagg aacaaaatca agatttgtgg 540
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<210> 11407
 <211> 677
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F4

<400> 11407

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aatctgacct gggccacact ccgctgctcc gccatggcga tccgctcaa ggctggatc 180
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gctaagggttg atgctaacga ggagaagaac aggccgcttg ctaccaagta cgagatccaa 480
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 cctagggagg ctgatggcat tgtggattac ttgaagaagc aggttggccc tgcgtccaag 600
 gagatcaagt caccagaaga tgcgacggcc cttatcgatg acaagaagac tacattgttg 660
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<210> 11408

<211> 173

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F5

<400> 11408

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<210> 11409

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-F6

<400> 11409

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gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg cttccttctt 600
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<210> 11410

<211> 693

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-F7

<400> 11410

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attgcttttag tatcaagtgt ttcttgtaga cagacaggcg gctgcagctg tgggtcaacag 180
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ccaccaccac aacatcacca gcagcagcaa caccaacaac aacaagttca catgcaacca 300
caaaaacatc agcaacaaca agaagttcat gttcaacaac aacaacaaca accgcagcac 360
caacaacaac aacaacaaca acagcaccaa caacaacatc aatgtgaagg ccaacaacaa 420
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ggacagagcc atgagcaaca acatcaacaa caattccagg gtcacgacaa gcagcaacaa 540
ccacaacagc ctcagcaata tcagcagggc caggaaaaat acaacagcaa caatgtcatt 600
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<210> 11411

<211> 626

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-F8

<400> 11411

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 ccaactggca gcattgaact ctctgctta ttacagcag caacaactac taccattcag 540
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 ccagcacgct gcgcctaacg ctggca 626

<210> 11412
 <211> 113
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-083-01-K6-F9
 <400> 11412

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<210> 11413
 <211> 641
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-01-K6-G1
 <400> 11413

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 gctcctatag cttcccttct tccccatac cttccatcaa ttatagcttc aatatgtgaa 180
 aaccagctc ttcaaccata taggcttcaa caagcaatcg cagcaagcaa cataccttta 240

tcgcccttgt tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc 300
atcagggcac aacagctgca gcaactcgtg ctacctctga tcaaccaagt agctctggca 360
aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact gtctacactg 420
aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgcctac 480
tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 540
ttgcagcagc aaatactact accatttagc cagctagctg cagcaaaccg tgcttccctc 600
ttgacacagc aacagttgct gcctttctac cagcagtttg c 641

<210> 11414

<211> 251

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G10

<400> 11414

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ttaggagatt taagctgttt ggtttctgca aaatctatcc tccttatctg taagtaagga 120
ttagcatggt gttggctgat acatgatctt gattgcagcg aacacaacag atagacgaaa 180
tcctctaaga gcctcctcta aattattatt tagtcagtca ttacataaa aactatttta 240
tatatctttt c 251

<210> 11415

<211> 680

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G12

<400> 11415

nncgtccgtt gaaaccaact agcaacatag naaagcacia tagtgtacca acaatggcag 60
ccaaaatttt tgctccttta tgctccttgg tttttctgca agtgctgcta cggcgaccat 120
tttcccgcga tgctcgcaag ctccatagc ttcccttctt ccccgctacc tctcaccagc 180
ggtgtcttcg gtatgtgaaa acccaattct tcaacctac aggatccaac aggcaatcgc 240
agctggcatc ttacctttat cacccttgtt cctccaacaa tcctcagccc tattacaaca 300

gttacctttg gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt 360
gctagcaaac cttgctgcct actctcagca acagcagttt cttccattca accaactagg 420
ttcattgaac tctgcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc 480
tgcctacccc cagcaatttc ttccattcaa ccaactagca gcattgaact ctctgctta 540
tttacagcag caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt 600
cttgacacaa ccacagttgt tgccgttcta ccagcacgtt ggcgctaacg ctggcaccct 660
cttacaactg cacaattgct 680

<210> 11416
<211> 672
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-083-01-K6-G2
<400> 11416

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tataccctcct tgcgcttctt gccctttttg tgagtgcac aaatgcgttc attattccac 120
aatgctcact tgctccgagt gccattattc cacagttcct cctccagtt acttcaatgg 180
gcttogaaca cccagctgtg caagcctata ggctacaaca agcgcttgcg gcgagcgtct 240
tagaacaacc aattgcccac ttacaacaac aatccttggc acatctaacc atacaaacca 300
tcgcaacgca gcagcaacaa gcactgagcc acctagccgt ggtgaaccct atcgctact 360
tgcaacaaca gctgcttgca tccaaccac ttgctttggc aaacgtagct gcataccaac 420
aacaacaaca gttgcaacag tttctaccag cgctcagtca actagccatg gtgaacccta 480
tcgcctacct acaacagcaa caacttcttt catctagccc gctcgctatg ggcaatgcac 540
ctacatacct gcaacaacag ttgttgcaac aacagttgct gcaacaaatt gtaccagctc 600
ttactcagct agctgtggca aaccctgctg cctacttgca acaactt ccattcaacc 660
aactgactgt gt 672

<210> 11417
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G3

<400> 11417

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ttggatatttc tgcaagtgtg gctacggcga ccattttccc gcaatgctca caagtccta 120
tagcttcctt ttttcccccg tacctctcac cagcgggtgtc ttcggtatgt gaaaacccaa 180
ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacctt 240
tgttctcca acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac 300
aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcctactctc 360
agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc 420
aacaacaaca actaccattc agccagctac ctggttgcta cccccaacaa tttcttccat 480
tcaaccaact ggcagcattg aactctcctg cttatttaca gcagcaacaa ctactaccat 540
tcagccagct agctgggtgtg agccttgcta ccttcttgac acaaccacag ttgttgccgt 600
tctaccagca cgctgcgcct aacgctggca ccctcttaca actgcaacaa ttgctgccat 660
tc 662

<210> 11418

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-G5

<400> 11418

attcaataat aaagtttttt ggatgatgta tgtggccaac cagaaataag aagttacatt 60
tccagattct 70

<210> 11419

<211> 564

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G6

<400> 11419

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 ctacctgtga tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa 120
 tttcttccat tcaaccaact gtctacactg aacctgctg cttatttgca gcaacaacta 180
 ttaccattta gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac 240
 caattggccg cactgaaccc cgctgcttat ttgcagcagc aaatactact gccatttagc 300
 gagctagctg cagcaagtcg tgcttccttc ttgacacagc aacagttgct gcctttctac 360
 aagcagtttg cggctaaccc cgcaaccctc ttacaactac aacaattggt gccctttgtc 420
 caacttgctt tgacaaaccc agcagcctcc taccaacaac acatcattgg tgggtgcctc 480
 ttttagattg attattagtt gtaattcaat aataaagttt tttggatgat gtatgtggcc 540
 aaccagaaat aagaagttac attt 564

<210> 11420

<211> 684

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-G7

<400> 11420

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 agatttttgc catccttgcc ctcccttgctc tttcagcaag cgttgctacc ggcactatta 120
 ttccacaatg ctcaacaacaa tacctctctc cggtgacagc cgcgagattt gaatacccaa 180
 ctatacaatc ctacaggcta caagaggcca tcgcagcaag catcttaagg tcgttagcat 240
 tgaccgtcca acaaccatat gccctattgc aacaaccatc cttaatgaat ctatatctcc 300
 aaagaatcgc agcacaacaa ctacaacaac agttgcttcc aacaatcaat caagtagttg 360
 cagcgaacct tgctgcttac ctccagcaac aacaatttct tccattcaat caactagctg 420
 ggggtgaaccc tgctgcttac ttgcaggcac aacagctact accattcaac caacttgtca 480
 ggagccctgc tgctttctta ctgcagcaac agttgcttcc attccatcta caagttgtgg 540
 caaacattgc tgctttcttg caacaacaac aacaattgct gccattttac ccacaggttg 600
 tgggaaacat taacgccttc ttgcaacagc aacagttgct accattctac ccacagnatg 660
 tggcaaacaa tgctgccttc ttac 684

<210> 11421
 <211> 653
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-01-K6-G8

<400> 11421

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 tttgccgcaa cagaagttga tcctgggtgtt gcatgggtact tgtatccaag gcttgggtac 120
 ctcccttatg ttagcacaac tgaggaaaca gctatttctt cattgaagag gtcgcttgg 180
 gctctgaaca cacaccttgc ttcaaacaca taccttggtg ggcattgctgt tactctagct 240
 gacattgtaa tgacatgcaa cctctacat ggaattgcac ggatcttgac caagaccttc 300
 acgtctgatt tccctcatgt cgagaggtat ttctggacca tggttaacca gcctaacttc 360
 aagaagggtca ttggtgaggt caagcaggca gagtctgcac ctctattcc gaaaaaggct 420
 gctccttcta aggagccaaa ggcaaaggat gtcaagaagg aggctccaaa ggaggccccc 480
 aagccaaagg tgggtgaggc accagcagaa gaggaagcac caaagccaaa gccaaagaat 540
 cctcttgact tgctgccacc aagcaagatg gtccttgatg actggaagag gctatactca 600
 aacacaaaga ctaacttccg ggaggttgcc atcaaagggt tctgggacat gta 653

<210> 11422
 <211> 704
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-083-01-K6-G9

<400> 11422

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 ccactcttat gtccttgct ctttctgcat gtgttgctaa cgcgaccatt tttctcaat 120
 actcacaagc tcctatagct gcccttcttc ccccatacct tccatcaatg accgcttcag 180
 tttgtgaaaa ccagccctt caacctaca ggctccaaca agcaatcgca acaagcaact 240
 tacctttatc acccctgttc tttcaacaat cgccagccct atctttgggtg cagtcattgg 300
 tacaaccat cagggcacia cagctgcaac aactcggtgt accagtgate agccaagtag 360

ctctggcaaa cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
ctacactgaa cctgctgct tatttacaac aacaacaact actaccattc agccagctag 480
ctactgccta ctctcagcag caacaatttc ttccatttaa ccaattggcc gcactgaacc 540
cctctgctta tttccagcag caaatactac taccatttgg ccagctagct acaacaagcc 600
ccacttcctt ttgaaacaa caacaattgc ttccgttcta ccagcagttt gtggctaacc 660
ccgcaacctc ttacactgca cagttgctgc ccttgtccac ttgc 704

<210> 11423

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H1

<400> 11423

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tctttctgca agtgctgcta cggcgaccat tttcccgcga tgctcgcaag ctccatagc 120
ttcccttctt cccccgtacc tctcaccagc ggtgtcttcg gtatgtgaaa acccaattct 180
tcaaccctac aggatccaac aggcaatcac agctggcacc ttacctttat cacccttgtt 240
cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat tggcacaaaa 300
catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct actctcagca 360
acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt atttgcaaca 420
acaacaacta ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa 480
ccaactggca gcattgaact ctctgctta ttacagcag caacaactac taccattcag 540
ccagctagct ggtgtgagcc ctgctacctt cttgatacaa ccacagttgt tgccgttcta 600
ccagcacgct gcgcctaacg cntgcacct cttacactgc aacattgctg ccat 654

<210> 11424

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H10

<400> 11424

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catatgcgca gcaaaggatt acagcctggg gaagagctgc tacctgaagg aggttctggt 120
gacgacagtg ccgagcctgc taatcctggt gccagtgaat ttattgtaac ccagcttgca 180
agcatgggct tcaactacct tcattgtcag aaagctgcta ttaacacatc aaacacagga 240
gttgaggaag cgatgaattg gtcctctcgc cacatggatg atccagatat aaatgaccca 300
atatcaaaag attcacgtgc ttatgagcca tctgttgacg aagcaagtgt tcaaactctc 360
atctcctttg gattccagga agacattgcc ataaaggccc tgaaagcttc tagtggtaat 420
atcgagaaag ctacagactg gattttcagc caccocgaag catctacctc agcatctgct 480
gattcttcca ctagcaatgt aaatgctgat gacacatata ttccagatgg aagtggcaga 540
tacaagctga tggcgcttct gagccatatg ggcacctcta cccactgcgg gcactacgta 600
gtcatgtcc tcaaagacgg gaggtggaca atctttaacg acagcaaggc cgcagtatct 660
gttgacctgc ccaaggaaat gggcta 686

<210> 11425

<211> 690

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H11

<400> 11425

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atattgctc cttatgctcc ttggtctttc tgcaagtgt gctacggcga ccattttccc 120
gcaatgctcg caagctccta tagcttcctt tttcccccg tacctctcac cagcgggtgc 180
ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 240
catcttacct ttatcaccct tgttctcca acaatcatca gccctattac atcagttacc 300
tttggtgcat ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
aaaccttgct gctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 420
gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgccta 480

cccccagcaa tttcttccat tcaaccaact ggcagcattg aactctctg cttatttaca 540
 gcagcaacaa ctactacat tcagccagct agctgggtg agccctgcta cttcttgat 600
 acaaccacag ttgttgccgt tctaccagca cgctgcccct aaacgctgca ccctcttaca 660
 actgcacatt gctgccattc accaacttgc 690

<210> 11426

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H2

<400> 11426

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 gcgatccgac atccagagag aggacgcggt gatgttcggg ctggagactc ccctgatggc 120
 cgcgctgcag cacctgctgg acgtgcccga cggcgacgcc ggcgcgggcg gcgacaacaa 180
 gactgtcagc ggcggcagcg ccacgcgac ctacgtccgc gacgcgcgcg ccatggcggc 240
 caccgccgcc gacgtgaagg agctgcccgg cgcgtacgcg ttcgtggtgg acatgccggg 300
 gctgggcacg ggcgacatcc ggtgacaggt ggaggacgag cgggtgctgg tggacagtgg 360
 cgagcgggcg cgaggaggag gcgaggacga cgccaaggac ctgcgcattg agcgggggat 420
 gggcaagttg atgcgcaagg acgggctggc ggacaacgc 459

<210> 11427

<211> 350

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H3

<400> 11427

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 gggggggggc ctcttttaaa gggaggaaga gggggggggg ttttaaaacc ccaaaaaaaa 120
 aaaaaaaaaa aaanncgagg aggggggggg gggggggggg ggccctcccc cccccccggg 180
 gggggggggg gggggggggg ggccccccgt ttattggggg gggggagaaa accccccccc 240
 cccccccccc cctcgcgcg caaaaaaaaa aaaaaaaaaa aaaaaaggaa aagccccccc 300

ccccccccc cccccccnn cncngggggg gggggggggg gggggggggg

350

<210> 11428

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H4

<400> 11428

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tctgctggct ggctccttgc tgcgcgaggc tgctgctcct cctttttgca gccgtccatt 120
gtgtgggggg gggggtcggc gcttgttcct gggcaggcca tggggcgatg tcagtgggca 180
ttgggtcttga catttccaag cgaccactct ttgcggtcgg ccgaagttta aacttgccga 240
ctgtgtatct gtgggtacaa caagtgttgg cgctcctgcc actctaacct gtggttcggg 300
cccttgattg ctagtgtcgg tc 322

<210> 11429

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-083-01-K6-H8

<400> 11429

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gcagctctgt gacttgtgag gaggaaggga ggaagaaagc ggatccatgg cgtcgaagcg 120
gacctcaag gagctcaagg acctgcagaa ggatcctccc acctcttgca gcgcaggccc 180
tgttgccgaa gatatgttct actggcaggc gacgattatg gggccatcag atagcccata 240
cgctgggtggc gtatTTTTTgg tcaactattca ctttccaccg gactacccat tcaaaccacc 300
gaaggttgca ttcaagacga aggtttacca tccgaatatc aacagcaacg ggagcatctg 360
tcttgatata ttgaaggagc aatggagccc tgcactgaca gtttctaagg tctcctctc 420
aatttgttcc cttctgacgg acccaaacc tgacgatccg ttggtcccag agattgctca 480
cttgtaacaag actgatcgcg tgaagtacga atcgactgct aggagctgga ctcagaaata 540
tgcaatgggc tgacaagcta ttggtctctc gtagacctaa agcacgtact gccttctgta 600

actgaaacca gatgtctaaa ttaatttgtc cattcgtgca tcg

643

<210> 11430

<211> 675

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-083-01-K6-H9

<400> 11430

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aagctggaca tgtccgcgct cgagaccaac ttcgccaacc tgaccgcctc cgccggcgac 120
gacacgtact tctccgccga ggcccccgac gtgccgtcca tgggtgctccc catctgcgac 180
gacttcgacg gcttccaggc ggccaccaag gatatggtga agaataagaa ggggacgacc 240
acgcttgctt tcatcttcga caagggcgtc atcgtcgccg ctgattccag ggccagcatg 300
ggcgggttata tatcctcaca aaccgtgagg aaaattattg aaataaatcc ttacatgctg 360
gggacaatgg ctggagggtg tgctgattgc caattttggc ataggaacct aggaaccaag 420
tgtcgtctcc atgagctttc aaacaagcga aggatctcta ttgctggtgc ttccaaactg 480
ttggctaaca tcctttattc atatcgtagg atgggactgt cgattggtac aatgatcgct 540
ggatgggatg agaagggtcc tggcttgtag tatgttgaca gtgagggtgc ggggctcgtg 600
gngacaggtt ctctgttggc tctggttcac tgtatgctta tggatatctgg gatgatggtt 660
accgcttcag catgt 675

<210> 11431

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A1

<400> 11431

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cataatataa atcaaagtac acagaatcga aacatagccg atgtaaaca acccaccaca 120
agcagctgac tggaggaggt cgctagccta atcctcgaac tcgtcgaagt cttggaactc 180

ctggagatca gcctctacac ctttttcttt acctgagcat agattgcacc aaaggaaacc 240
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 gctgaagtgg actagcttta tgtgggttta ggggtcaagca gttgctttta gttggtcagg 360
 taattattac tagtagagag ccagatttta acattaacac aagttgttaa cccaaaagta 420
 ctctttccaa acggaaagaa tacctaaaat cataatcata atagaaacca acattttcct 480
 catcatcatc tataaacaaa acatctctga tcaatgtgtc tctaataat ggagctccct 540
 tggccgctta taactgcgag cacggctgat ata 573

<210> 11432

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A10

<400> 11432

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 tatattgcta acatactgca acatcaaaca tatcaaatta caggtacaat ggaaccaccg 120
 accaggccag ttcacttctt cttttgcctc gcaactgatt ctttagctac ggcgtgcgct 180
 gcttggtgta caaaagactt cttcatatta cccttagggg cgagggcttt tctaactctg 240
 aatacagccc acgcagctcc gagaacattt cctgtagcgt ggaggttaatt gtgtgtggct 300
 tcacctgctt gttcacgta tctgtgtgtt acaacagaag tggtcacaac tgaggatgtc 360
 tgcacacat ttttgccaga cacttcaca gcatccata ttttccaaa tccatcaagt 420
 gaagcaagaa taacttcgcc aggcattaac ttgaaaaact tttgtgctgg tttggagttc 480
 aacacggtgc ttgtgacaaa gccagtgact ttcagaacac cagacaggat tgagtttgcc 540
 accctgttgg acatctttgt aacctccta gccctcttca tccttc 586

<210> 11433

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A11

<400> 11433

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 tgttgcatag aagggtcgtg gacaatctcc ctttttagtag aagctgtatc ttgtttggtc 120
 gcattttcac tataccgatg atctttttca ccagaagcat ccacggaagg catgtcaaca 180
 gaaccaacct ttgatttctt gcgcttcttc acttgcgagg tattttgact tgtttgcctc 240
 ttgtcagaga catctgtact tttgccatct ttctccatgt tgcttgtttc aggtacacct 300
 gcattatgac atccctcatt gaggtgtttt atttcttcat gcctgtcccc tccatttaaa 360
 ggggcacaac ttccttttgt agtctttcct tcaatageta ctttttcacc tgtagaataa 420
 atgtcatctg caattaaagg atccctacat cccttgagag catgatcaaa cttctcttgt 480
 tcagagatta aatcagtaga tgcttgatca tcgctcaca aaacttaacact tttgcccccc 540
 tggtttccat cattatgttc ataagatgaa agaggcaaac cac 583

<210> 11434
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-A2
 <400> 11434

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 tttaaaccgg ggaccctttt gggggggata cattaacacc ccccccccc tgggtacctc 180
 cgttttttta aacccccaca tgcattgggg tgggcacatt aatttaattc acctccccca 240
 aagaaaaggg gggcccttgt ttcgggcaag ggcccttcc caaacggtt caaacgtttg 300
 tttccccccc ccccaaaagg actacttggg aaactgggac tttttaaggc ccccccccc 360
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 tt 422

<210> 11435
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-A3

<400> 11435

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tacccttgaa gtttttgatt ccccttcaa gttttccaac acttggcaaa gttttgtttt 180
tttttgcttt tcattctcaa gccaacctg aaaatcctga acctttaaaa aagcataact 240
tatttacttt cgatcacacc cttgtaaatg cctccaaact tgtaaatcaa ggggccaggg 300
gggggccact tgccaaagtc cacatggcca ataaccacaa tggtgaaatg ggactttttt 360
ttacccatga ctagagggga agcttaaact tggaacaatt agccccactc atttttgcaa 420
aaataaaccc caaactggcc ctggtgtaaa ttgctgcaac ccct 464

<210> 11436

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A4

<400> 11436

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tacccttgaa gtttttgatt ccccttaaa attatccaac acttggcaaa attttgtttt 180
tttttgcttt tcattctcaa actcaacctg aaaatcccga acctataaaa aaacataact 240
tatttacttt tgaacacaca cttgtaaaag cctccaaact tgtaaaacaa ggggccaggg 300
gggggccact tgccaaaatc cacatggcca aaaaccacaa tggtgaaaag ggactttttt 360
ttacccatga ctagggggga aacttaaact tggaacaatt agccccactc atttgtgcaa 420
aaataaaccc aaaactggcc ctggggta 448

<210> 11437

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A5

<400> 11437

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 aaaaaaaaat tgggaaaccc tttaacaaaa aaattggggg acaaaaagga aaaaaataa 180
 accccccccc ctaaaaaagt tttgggaaaa aaaaaaacgg gggggggcca aaaaaaatt 240
 ctcaaaaaag gggggaaaaa accaaggggg ggggggaggg aaatatccat ggggggggac 300
 ccccggggga aaacccccga aaaaaaaaaa acccccccaa gggaaaaaaa ggggggggaa 360
 atccgggggt tttccaaaaa aaaaaacccc cggggaaaaa aaaagggggc ccgggtttgc 420
 cccgggggaa 429

<210> 11438
 <211> 577
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-N7-A6

 <400> 11438

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 gggtcaggaa agtaaagcac tgggtctcgcg cacttcaaac agaagtgaac attgacaaat 180
 acacagctgt caacaattga gtatccaatg cctgatttta ttacaaacca cagggtgtgt 240
 tatggaacct tcaggtactt aacttactac acattatttg cttttccagg aactggaaac 300
 caacttttac atttaggaaa agcgggagca ttccacctca tagtacaagt ttcaatctgg 360
 tgggcataaa caatccaagc ccatgcccat ctaccagtgt acgctcatat ctgaagagca 420
 tctgcaattg agccagcgag gctcaaaacc tcaaatggag gtctttgccc aatagctttt 480
 actgtgtgtg ggcagtgatc cgtgatccag aataagcaaa tctgtcacct ggcccagcag 540
 aactagacgc catgaaacgt tcatatgact gcttagg 577

<210> 11439
 <211> 563
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-A7

<400> 11439

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tcatttgtct acagtatgog ctcaggaggg tttaaagt aagaaccaca tgctgctgga 120
gcaaatacgt ttacagagtg ataaaaccaa gacatgtcgc tggagcaaat cagtttacag 180
agtgataaaa ccaagacaag cttcaggctg gctgctcata agtgatgctg ctattcttgt 240
ttgaaacagt aaatcatcaa cagacaactt actccacctt ttccaagaaa tccttgatct 300
ctgatgggct tagaactttg aactcacggc cagctcgaat aattccgatt tcaatgttgt 360
tggaggaaat ttgcccctca tacccttctt tcaaagtcaa aattgcagtg tggatggcat 420
catcaagctc catatcctct gngtatctct tttaaaaaa tgtctttgca tttgacacat 480
tttttcccat ggctgatgcc ttccaggaga agttgatcct gagggatcaa cctgatacaa 540
ctgtgggcca ttgtcattat acc 563

<210> 11440

<211> 530

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-A9

<400> 11440

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accaaaccat actactaaac aaaggctaag gatgtccctc agcaatggca caaggagcca 120
gagcatcaca agttccttaa aaagactttt tcccttttgt ttagtactac gcaggacgga 180
gagcaaaacg aggcttttag gtggctgtag gaacgctgcc tccggctctg tgaagcatgg 240
cgctgatctc gtcgccgtcc tccatctcca gctcatcagg ggtctgctcg ccgcaagcc 300
tgccggccatc aaacaggaac gcaatggcat tcatgtccac agactggcgg tcacaataag 360
cgttcatcag cttcttcagc tgggtggacc tctttatgcg aaagaacacc tcattgccat 420
cctgtccctt gaccttaagg ttgatgtggg cgccgccctc cgcgggcttc ttgtctctct 480
cgccggctcc agacatcgtt aggggttagt ttccggcga tcgatcgatg 530

<210> 11441

<211> 564

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B1
 <400> 11441

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tttttttttt gggggggggg gcccccaattt tttttttttg ggggcctaaa gggggccaat 180
tttttaaacg gggggcaagg gggggcggaa aaaaaatccc cctaaaggaa aattaagggg 240
cccccaaaaa aaacccaacc ctaaaaaaaa aaacttttaa aaaaaaacc ggaaaaacat 300
ccttcgggcc caaaaaatt gcccgggggg ggcccaaaaa accttgcccc cccccctttg 360
aaccaccccg gggccaaaaa caaccggtcc aaaccacc cccggggcaa aggggagctg 420
ggtgaaaacc cttggggacc ccccaaacc tttttttttt ttccaaaaa acccccccg 480
gttttatggg gaacctaaag ggaccccccc ccaaggggaa aaaaccccc cccccagg 540
ggggatgggg ggggggcccc ttgg 564

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<210> 11442
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B10
 <400> 11442

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acactgcacc tactagatag aagaaaccga tccccctttt tgtggatgag cactaggttc 120
gacagatcca agtaccacaac cctctctact ggtaccagtt ccatccaatt cggaccacca 180
cccgacaccc atttgagcaa atgaaaccac ggggagctga atcatcatta ccaatactcg 240
caccagaagc ggagctgatc tgcccggccg ggccgctgct cgatcgctt gaagcactcc 300
agcgctggca tggcataccc gaacagcaat gtgaggaatt tcgtcaggag ctcgatcgac 360
atccctgaac cagcgtggaa ttcacgacgg gagga 395

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<210> 11443
 <211> 596

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B11
 <400> 11443

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 cataaatctc ttacagcag gcataatatt acagtactat tggaaaagct tataaagctt 120
 gttttgagcg gcggggtgga ctgccactac gcaatgagga aaggcagcac ggtcagcatg 180
 aaggcctcgt aggtgaaagt cgccgaccca gagtaggcgg tgctcttctc cttgaacttc 240
 tctgtcagcc ccttaacagt gaggcagcat tcaatgaagt tgatcatctc gattgctttg 300
 ctcttgcccc cagtcttgtc aaatttagac acaagcagat caaggacagt tggagacaca 360
 gaatatccga gactgagaag agcatcgcg agttctgaca tgatgatcct gccacttcga 420
 tcacgatcaa acctctcaa tattgctctc cagttctgaa gactgtaaaa cacagaagta 480
 aattccttgg gtccgatctt gcggacgttg gtgttggtga agaggtacat gaggaggtgg 540
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<210> 11444
 <211> 549
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-B2
 <400> 11444

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 caatatggca tgcttctgcc tgctggagtt ctaaaataat aaaaaaaaaac tagcgtgggc 180
 gatctggaga tgactgtcca aaagggcgat ccatgtatgg ccagagggaa aaaaaacccc 240
 gctaaaatca gcataagcat acatacatat ccaatcaaac acatttgagg atgactgtcc 300
 aaaagggcgc catttctcga gccacaacgt cacaatgcag caactcgagc tttgcatttc 360
 tcctagcagg cacatcgaag cgttcggtct tccaagtcgt cagcaacatt cagtctgaa 420
 ccggcgaggt gactggagtc aacgaggacg aagtatcagc ggatacgtac agcaccagcc 480
 actgctccaa acacggaaag catggcccct gcttaaactt gctatgaaaa gcaaagcgag 540

cggctttgc

549

<210> 11445
<211> 540
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B3

<400> 11445

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aagaaaagaa catgtccact atgcctaagg acggagcggg gggaggccaa atacggcccg 120
cctggccttg gtatactcca gaagcctgtc cacgtccggg atcagcccct tgacaccctc 180
cagcgcgcaa aaccgctccg ccacgcccgc cagcagcggg gtccctgccg cgtcgagggc 240
cttcaccccg caaatggcct cgggggcgta cagccacca acaaggccgc cgagcacgac 300
gtcgacgagc ccacgctgt cccctccgaa gaaggccttc cccttgagc actccctgaa 360
cgctgtctcc agcgtttcca ggcgcgcgac gggctgcctt gccgccttcg ccattttctt 420
cgccgtcctg cccctgaaca cgggtatcca cgcgctgtag aacttgctgt cgacgtagga 480
ggcccaaaag cgagcaatgg cgcggtcgta ggggtcggat ggaaggaaat taggtgcggc 540

<210> 11446
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B4

<400> 11446

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accaggacat tcgtaacaca aacttggggg ggaaagacca ccaaaggacg ggcaccaca 180
cgtacaggga acacagcatt ccgagacgac ccttttgata ctgacaaaaa cccaccggg 240
catccatcca tgcattgatg acttggttac gaggaacccc tggcgctggc gaaagcgccg 300
ggaccttcac cttccccgga gccggactcc tgggccctgc cctggatggg ctggcctgcc 360
tgcagcggtc ttggggcccg tttgggcggg gggcttggtt attctgcggg gcgcctctc 420

caaatagtcc ggggtgggct ggaacgcctg cccccccctg ttggcgagg

469

<210> 11447

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B6

<400> 11447

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acaaaaatct aggaaaccgg gccctccca caaatggaa agcacaaaac agggaacca 180
aaggaaaaac cccccagta ccaggccac ccccaaagg acagggcccc cttaaccccc 240
caacccaac aaggggcggc cctggcgctt gagggcgtaa accacctca agggggggac 300
cggttttcga cggcggtgcc caatgtaagg gaccgcgtcc cggatgacct tctcaagaaa 360
aaacttgagc acccccggg tctcctcgta aaagaacccc gaaaagccct ttacgcccc 420
cctcc 425

<210> 11448

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B7

<400> 11448

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tagctagacg attcgttgat tcatttatgc tgattatggt cagtttagaa cttggaaagc 180
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tgcaggccac tgcctccagt tgtgggcgt ggatccttga actgctcttc agtaactcct 360
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aaattggcgc ccgaccactt ctgatgctcc agcgtctcca cgccgttgat cctctctctc 480

ctctggatcc tctccacgta ggccagcatg ccgcggcgtg cgaagtcccg cgcgaacgtg 540
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<210> 11449

<211> 537

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B8

<400> 11449

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 atctagattc gacgttctac actcagaata tcctcgctag tcagagccta ctcataaaca 180
 tacaacaaca aaatcaccat acacagcttc ataagcaggc aaaaccccg c aacagagcaa 240
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 gcactctagc tccaataaca aaattgtctc aactccaccg ctgactaaaa gctaagggag 360
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 ggaggacagt ggcgatcaaa ggctcgtaat ggtcagcacc agcaccacac catgctgttc 480
 ctttcatgaa aagaaaaatc ggtggctcgc aaacttctcc tcgagaactg tgtggga 537

<210> 11450

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-B9

<400> 11450

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 ggcttggggg ttgttttgat ccacaccctt cgcttcgcac gattttcagc tagcgtacca 180
 aactaaata gactcaaatt tcgcaagag 209

<210> 11451

<211> 484

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-C1
 <400> 11451

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ccccctcca accaaaaaac aggggaagaa aaggggtccc gatttgcgcg ggggccaaaag 180
gggccaaaaa ttgggctttt attcccaaaa acacgtgaaa aaaaaagggc ggcaaaaaaag 240
gcaccctta aaaagggggc ccccgggacc ggggggaacc aaacaaaaa aaaggggcg 300
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gggcttacca aaacaccagc tttaagaaag gagaggccaa accaaaacc cccccgggc 420
aaaaaaaggc cgggcccga tcaccccaa aaaaattggg aacaaaaacc ctggtgggg 480
ggcc 484

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<210> 11452
 <211> 601
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-C10
 <400> 11452

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aattaacagg attgatggat caatcaatag gcagcgacca gagtaggagt agctaggagt 180
gatggatcaa tcaataggcc aacaatctgg ccgtcttggc gaggcacttg tcgggctccc 240
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cggggccccg cgtgaagtgt gcggcgaga ggcgcccccc catgaagggg tccggcgctc 480
acgcggggtc cgggcagtgg ccggcctcgt ccgcgtgcgc cgtcgccatc ttctcgcggt 540
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<210> 11453
<211> 575
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C11

<400> 11453

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agttgtgccg accggacagg caaaacatgc tgggggcccc tagcattttc cagcatcttg 180
gggcagctaa agaattctca ggcgtcattg gcatatgggg actcgtcgcg ttgtggctgc 240
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<210> 11454
<211> 554
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C12

<400> 11454

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ctcagttacg aacgtatggc aagcttgatt tctactagca gataaaactg cggcagcatg 180
aaccgtaacc gctgattact accgtagaag tgcattcacc aaactgggaa cagaggacca 240
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tagtgctccc tgatctggcc atcgctcgaca aagctcgtta tgacgggtgta ggtgcactca 420
 tggccacccc acacggcgtc atgaggggtct gcactgtggt agccatcggg gtggaagtag 480
 cgtcgcatag gtggaccagt gtgcttccat gatggatcaa ggttcctcca gtaatcaggt 540
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<210> 11455

<211> 612

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C2

<400> 11455

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 agtttctatg ctacgcttcc gttaacatcg atcgccagga caaaacccga aaaaagaatc 180
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 ccaagaactt gtgccagagg aaatttaccg tatgagcacg agggagtatg tagctagcta 540
 gcctttcatc cacagaaaca ggcaatgggg gcatcttgct cattattccg ggaatctggc 600
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<210> 11456

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-C3

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 atcttcttga ccatgtaaga tgcattctgc aatactgaga agtgggtcaac tctactgatg 240
 caaccatcag gctcctgtta ttccagatcc catcggttatt agtcgttcag gagaacgaat 300
 aatgatcttc cgtcgtctatc agcccacgcg cegttttctt ctgccgtcca gagccgttct 360
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<210> 11457

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C4

<400> 11457

gtccgggtcc agcaggggaa ccaggccgc aaacagcaag gggacaaaaa gcccgagaa 60
 agaagggaaa aaaaggttga caaaaaaag agggaaaacc ggtaaaaagg gcaaaaaaca 120
 acgagccaaa aacaaaaaaa aaaaaaagg ggaaaccaa aaagggaaaa aaagaaaaac 180
 aaaaggaggg aacaaaaaaa aataaatgga gaaggaaaaa caaacaaaac agaaaaaaa 240
 aaaaaaggc aaaaaccca agaaaaaaa aggccaaaaa aagcgaaaag ggggtttgcc 300
 ttttgaccac caagacggga aaaaaaaaaa ccacccaaaa cgccaaaaac aaaaaaacc 360
 acaccccgag ggccaggcag atttgcccca acaggcgaaa 400

<210> 11458

<211> 624

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C5

<400> 11458

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 tgcaggtcca attgaataat aaatatataa tataatacga tactagaagg tacacgacag 120
 gaaatacggc ccaattgaat tttctacatg agctgcacat aacgctccgt aaaagttatt 180
 tggcactggt tggtttccag gtacagatta ttgagggctc cggatggcta gactccagac 240
 tacttactga atcaaaatct ccatcattct ataaacagat acaattctgg agctccagca 300
 tcaacttatt gtttctgccg ctgcaaggag aaggaatcaa ttaaaacctg gtaatgaaag 360
 actaattgtc taattccatg tctgatgtgg agcatttgaa atgcaaacga ggcacagtaa 420
 acagcaatgc ctttggaag acaaatgggg agtgcctatc tgctcaaagc acaaagatat 480
 ggcgccacca agtaatatag ttctttttgg cccttttttt cgtctacatt cgaagaaatc 540
 ataatgaatg ttgatataca tacaactac attcataaat taattaatgg atgcatgttt 600
 agtctataac gaattatatt ttgg 624

<210> 11459
 <211> 610
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-C6

 <400> 11459

cggaaaagca ggcaaggagg cgcgttgata atttgtgcag atacaaccat gcataggttc 60
 tttattcagt tttctacatt tttttctatg agcatacata tactgggtatt actgaccgcg 120
 cagcggcaca gggcactgcg tacattactg gagtactgct cgagaacgat aggcgagttc 180
 acttggtcgg cctgggcctg acgaccagca ccgggcagca ggcgtgatgg atgaggtagt 240
 cgctcacgct gccaggaac gcccttttga tcgcgccgag gcccgggctg ccgaggacga 300
 gaagcccggc ctgcatacgc tccacggcct ggccgatggc ctcccttggcg tcgccctcca 360
 cgacggcccc cgtggcgctc acctgcctct ccttgcagat gtccagcgcg cgcgccacga 420
 ccctgcggga gctctctctc tgcgccgcc gcaaggactc caccgccgag gacggggcgt 480
 acacgatgcc gtgcgcggcg acgggtagg cgaaagtggc cggcgggcgt ctgggcgtga 540
 acgacgacga gcgtcgcgtn cgggtggcac cgcaacgagt tgtccagcgc ccacgacagc 600
 gcgtgcaggc 610

<210> 11460
<211> 580
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C7

<400> 11460

ctatactgct atacgtccgg ttgtaaccat gatcgacgtg attcatttgg ctcaaagtga 60
tatgcgaatt taatatgttg ctaaaccact ttgaaccttg gtttcgaatt tagtggtcta 120
ctgaacgtgt cccggccggg ataaacctcg tccaaaagag aggggtgagaa tgggtgacta 180
gcagtaccac tggcaccggg acgtacgatt attttgtgca aaccacgtac gaagtcttca 240
tgcttgagcg catatttatt cagacacgtt ccttctttac aagtgtgtg ctgacagcat 300
tacacaccgc tacaactgaa ccctgccttg ccttcctgcg tgcgcgtact gacactgcta 360
cctgggtactg actggtacac acggacactc gctttgttcc cttggacttg gacacgatca 420
cacgacagca aaacagcttc cgtatctagc tattgacgat gacgcctccg ttgacgtgga 480
ggatctggcc agacatgtag gacgaatcct ggttgctggc gaggaagacg aagctgggcg 540
cgatctcgcc cggctgcgcg gcgcgcttca tggggcacct 580

<210> 11461
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C8

<400> 11461

gggaaccccc ccaaaaaaaaa ataaggggaa ggggggtggg gggggcaaac cgaaaaaggg 60
gccccaaaagg ggggggcaaa aaaaaaaaaa agggaggagg ggaggatcgg ggaaaaataa 120
aaggggggtg ggaaaccaa gggacaaaaa gggggggaaa aaaaaaaaaa aacctgttgc 180
cggggaaaag gaaggcccaa accgatctaa aaaaaaaaaa aaagggttaag gggagccaag 240
gaaaacgggt ccaggaagg ggaaaattgc tcaaaaaaa acgggggggg gggagcccta 300
aaactgcccc aaccggttta aaaagggttc aaaggggggg gcaataaaaa aaggttggtta 360
aaaacgttaa aaggggtcga aattttggcc ttcagcttaa caaagggtc caaaaggga 420

gggacttggg ggacccgaca tggatgaagt ttga

454

<210> 11462

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-C9

<400> 11462

ggggcaccag agtaacagta gcatatgaat acgatacaac aatactgcga atctctcagc 60
agtttcagta cagagtcgaa aaggggggaa aaagaaagaa agaaagatat cggacgacca 120
aactagtaaa agataacaga tcagcacata ataatgctgg ctgctgccaa gccaaattat 180
acccaatcac taagcctgca tggcatgggt tgcagttgca gcggcgattg ccaaagccct 240
tcattcattc tctctccgtt catcttctat ggagcagcag ccagtcactg atcaaacaca 300
cacatccagc agcagcaatg cttgcaggta acagcagagc cagaggaagg tagtcctcat 360
gtccacagtg aacactccca accttaagcc gatgccttgt cgaacttgag gggcttcacc 420
acctcccagg tgaagtcggc gtcgtcacgg ccgaaatggc cgtaagcggc ggtcttgatg 480
aacctgttgc cgcccttctt caggtcgagg ttgatgctga tcattccggg cctgaagtcg 540
aagttctcct tcacgatctt gaggatctcc ttgt 574

<210> 11463

<211> 534

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D1

<400> 11463

gagggcaagt ggtagcatac agcatgctac ccacgaaagt ctactacatc ataccatca 60
tagcatgttc gaatacaaca accaaacctt agctccagct tgaaagaaag ccagggtccaa 120
agacggtaca gtatgcagca ggggtccaaga tcaccttact cgtcatggac ctctctctcg 180
tctctgtatt ctctctcatc tgcagtggca tcttggtact gctgggtactc aaacacaaaa 240
tcgttcatgt tgctctcagc ttcagtgaac tccatctcat ccattgccctc accagtgtac 300

caatgcaaga aagcttttct cctgaacata gcagtgaact gctcgctcac acggcggaac 360
atctcctgga tggaggtgga attgccaatg aaggtggagg ccatggaaag gccgcgtggc 420
gggatatcac aaacactgga cttcacattg ttgggggatcc actccacgaa gtaggacgag 480
ttcttgttct ggacattgat catttgctcg tccacctnct tgggtgctcat cttt 534

<210> 11464

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D10

<400> 11464

atccgtcaga ctggcaattc ttgatattac atactagtct ttacacttta caatttgcct 60
ctaagtattt cttgaaagtt tatggagtcc ccagtcaggt aacctggcca tcaatttcct 120
gataagttat tgtccagcat ttctatgcca gttctcgcca acagtctaca ttctaccgga 180
aaaaaatgct cttatttgtg tctgtcatct tgttgaagct gcctgacgga tgagcctgag 240
ggactcggcg aagtcgtcca aaagctgatg agagtctgga aactgagcat catccactgc 300
gaggacaagc ttgatggagt tcgtatagct ttggtaatgt atagtcagag catgtggatg 360
cccgtagaca gagggagcga tgtagacgat tggatggccg tagaactcca ccttctcagc 420
aggtccgacc atgcttgaga atgacatggt cgtatttgtg aacataccat agcagagagc 480
tgctgcagcc ttcatgccaa atagtttgac tattaggttc ccaactccagt acgtgaaaac 540
cgcttctaata gaagccttct tcctttgagc tgtccttttc ccttggcgga tgtattc 597

<210> 11465

<211> 479

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D2

<400> 11465

attcacacat ttgttttttt tcctttgccg ggcgtggcgt acggccaagc gggggcgggg 60
tgatagccat accaggccca gggggggggc tacgcaaccg aaaacagcgg tcgccaggac 120
aaaacccgaa aaaaggatcg atttgtgcaa ccaaggggag gaaaactgcc aatacggcaa 180

accctgccaa agtgaaactc ataagccgga cagcggaagg ataaggcaca cgtggcgtaa 240
aatggagcgc actgcaaata tagctttcag acaacagaaa agccagatcc ttctttccac 300
ctacaccag gcatgcaaat tccaagcac aaaaaccttg atatattaat tctacagaac 360
caaactgtcg ctgcaaatta agccgctgac tgtctagcag aggcctacca cactcttggt 420
tcttcgcaca aatgactgct gccagaact tgtgaccaca gaaatggacc gtatgagca 479

<210> 11466

<211> 590

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D3

<400> 11466

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taciaagcag gcgtacaccg cctatacggc tatacgcgta ctcggtcgt aagcctgcag 120
agcatctgca gcaaacaag cctacgtact acggtgcatg cagatgtagt gtagcagcat 180
gcatccctc tacacgtacg tacttattgt tggagaacaa agacacacgg caggaatgat 240
acgcaagcac cataccgcac acatttagag gccacatcca tctgcatgca tgttcttctc 300
atgaagattt cagtttgtgg cagcactgcc ggcgcaaag caacagaatg gagtcatggg 360
ggtgcagggg cagttctcca gcgcgtctt ctgcaaaccg gagcagcacc atgggtgtaaa 420
tggtctgcag gggcagtcct ctacgcctgt cttctgcaaa ccggagcaac accacggagt 480
cctggcggtg caggggcagt tctccgtcgc cgtcctctgc aaaccgaagc acaccacgga 540
gtatggcggt gcaggngcag ttgctcgtcc tcccgaggc tgagcgctca 590

<210> 11467

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-D4

<400> 11467

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atcagtaatc agaacattca ttttcctttt cgtgctagca ttttactcaa tctacccaaa 120
 aaggaaggaa aaagaatgaa aaatcataca ttctccgaca aaaaccaagc ccccatctct 180
 gattctcatt agggaggaag aggcagagac tgggatggag gggggctaaa attagaatgc 240
 catgatgatt tcgaaagaat cctcgtgtag agtatttggg tccacacgtc cggcacgcca 300
 ggaaggcacc agtggatgca atccgcaac ttctcggggg ctgccttctg cttaggcgctc 360
 agcagcttcc cttgcgggat ggtgtacggg nacgtngtgg gcgtccttcc ggtaaatctga 420
 catccttgtg atattgatca ctgtcactgg gaccttctcc atggagctgg ccacattgac 480
 cactaagtca tacagccgca tgtcatggta aagatccagg tgttggcctg tagttctgat 540
 atggaagcgt ctctcttaca catttgatac cgtncggggg ttccccaatt ctgt 594

<210> 11468
 <211> 552
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-098-Q1-N7-D5

 <400> 11468

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 aaaatctgac cacactccag catgtcatta catgcaagta tccaatagca tgtcattaca 120
 gcaagtatcc aaccactgac acgtaagcca ctccaacaca ccacacatgc cgctaaagct 180
 actctagcag cacaatagac aaaaaatgga ttgaaacgta tttatccatc aatagaatgc 240
 aatagcatca gcaaaagaga agtaccaaca aagcctaaca ccccatacta gttagcttta 300
 acttggttga atctgactta gcataagctc aagttgagca tccatggcat cttgcttctt 360
 cttcatctct tcttgccttc taatccttac cagttctgct tcatgcactt gctttaataa 420
 tacatccatg cgctcacgtt ggatgctgac aagtgattga agctctgcat ttgccttcct 480
 ctctattcaa gttgtgcttc aatattttgt acactagatc taggtcgtgc attttggatt 540
 cccacatttt ga 552

<210> 11469
 <211> 537
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D6

<400> 11469

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gtgataatta actaaaaaaaa cccaccgacc gcggtgtaat tgtgtacata acctcaatgg 120
gatacacaga catgccgccg caaagcaaaa cacgtcgcaa atcccctctc tttctaactc 180
cgtccctctc tctctctccc tctgggtcccg caaaaactag gcgttgaggg cacgttagcg 240
ccagggttttc ctcccatgct tacgcagcca cagccgtcca caccttggat gtcacagct 300
cgtccttgac gggctcggcg gcggtgcct tctcggatgc cgggtggccc tgggtggtgg 360
tgggtggtgg gcagcccctg cgggtctcctt gctcttcttg atgaagtcga cgatgtcttt 420
cgccgtcctg ccgctgtcgt aggatgtcac ctcccgctc ggggtcacga agtacaaggt 480
cgggtagcct tggacgtcaa actcactggg aacgtcattg gcagtcgcgt ccatctt 537

<210> 11470

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D7

<400> 11470

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catacgatca ttatacacia aacaacgctg ggacagtcac tgtgcggcgg cgatgaggcg 120
ggacgagctg agctccgtgg tgctgtagaa ggactcgtcg gggcagtacc cggcgacgcc 180
acgctcgtcc tcccaccgga ggacctcccg gacgtagcgg aaggcctcgt caacggtggg 240
ccggtcgcgg gcgcgcgtct gccacacgaa cagcttccgc cccgtgctcg ccgcgtacag 300
gtccttgaac ttgatggcca cgtagtaaaa cgcctgctgc gccagcgact ggctgttgtg 360
gtgcgtccgc agcgggcaga agtcgccgaa cactcgcac gacgacagca gggaccgccc 420
gatcttctcc tcgaacgcgt cgtacttggt cagcaaaagc aggaacggcg tgtcacggaa 480
gcacggctgc ctgattgtag cctcaaacag gtccctgctt ttggatcacc ttattcacga 540
gtgtcctgct actgccgctc gctggggctc 570

<210> 11471

<211> 583
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D8

<400> 11471

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ggaagatgaa aagccggggc accaaagatt accccagaag ggcaaaaaag ataaaaaaca 120
aagctccccd ccgctggcca ctagacggca taactgtcaa cccggaccgg catcgagccg 180
attgtcacca caccagcttt gtcgtcttc cggtcagcct ccactacctt ggaactgatt 240
ttgaccttct gtcctcgc cccctcagga actgcgctcc cagagccact gactccattt 300
agctgcttct ccataccagc tgtgctagtc ttacggtcag cctccactgc cttggagctt 360
atcttgagag acccaagttt ggcaagtacc ctctgctgct cgccaccctc tggaactgga 420
actgtgctcg cagagccgct gactccattt agccgctttt caggtgcttt cagtgaagccc 480
tgggcagcac cgctgtctgc atgctgcttt ggattttcga ccttcttcca gtactggctg 540
tttcccatcc gcacctgccg ccttcaagct tggacctggg gga 583

<210> 11472
<211> 552
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-D9

<400> 11472

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agcccgggcg ttttattgtc actattgctc ggtttcgcgc gcgagggggg gcgacgccga 120
gcacaaggcc tgaaggcccc gccgtccacc gatgccgcct agctagccta acaggtgagg 180
ttgggccccg ggctgacgcc gagctggcgg cagtactgcc tgtagtagcc gacgcgcgcg 240
ttcatctggg cgggggtgtt cccgccgcac tcgagggcgc cgttgatggc cttggtggtg 300
gcgccgaacc cctgcggcac caccctgtgc acgtgttca tccaaaacca gagcgccgcc 360
ttgaacgcca ccacggggtc ccgcgccacc ctgcgggggt ccccgagccc gtcgaagccg 420
atggccctcc ccgcggggcc gtagttgtag ttccacgaga tctgcagcgg gccgcgcccc 480

tagtactttt gccccgcggc gcacggccac tgccctcttg tcgggtcgca gtaggcgttg 540
ctcttggtga tc 552

<210> 11473
<211> 615
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-N7-E1

<400> 11473

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atttacaagg catccagaac tactacaaag aagcatttaa gcagcgggtcc aacaaactgc 120
ccaagcattc aagagtcatt acaaccgcga gcaaaccctc catattatca gctaatagta 180
tcatcaaatt catcagtgct tcaggagcca cctcagtaac aatacatgag acatcaagtc 240
tacagattgt gcaatgctta actctgaacc aactcagatg aacagggggc tcctctaact 300
ctcaaagcac ttctcttttg ctccaccaga tatgatctgt ctttttcctg gggcattgtg 360
ctggaatgta ggaagccaac tgtagatga gctagttatg tttacaatac cctgattgtg 420
gtgaacagca tcaaattgtc ctttatgtct tgaatcacta taatttttcc actgggaact 480
aggaagagcc acagatgttg tcagctgtgc ttttccagca gccatgtctt gtctctgaac 540
acgaaactcc aacaagagaa gacaatcggc caacttcaaa ctttntgttc ttatatccaa 600
cagtgggtcaa tcgaa 615

<210> 11474
<211> 576
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E10

<400> 11474

gcagacaaga gtgcagcttt ctcatatact tcctttacat attacagttc ggtggatata 60
gttacaacag ttacagaaat gattacaact gtaagagcaa aaaccgcagc tagcgtggta 120
aacagggtaca gaattactga gttgccatga cagggtaggg gcaacaaatt gtacaatagt 180
tttattttcac acacattact actagcgtac acaagatgtt tttttcccg catagtggaa 240

taggacgtac tgtatttgag cggcattgcca atgcaacatc tcattctcgga gattttttgtc 300
aaaccagttt tcattgggtg cagaacactc atgtttccac ctcatcgag taatccactt 360
ctctttcccc aacccatggc tatgatgtac aaaatcacgc agccagcaac ggtcccaaaa 420
gtagtttccc aaaattttct gtttgctgct cgagtttcct cctcagttgt tgggtctgcg 480
taaagtgata tgccaatatt catacaaaa aggccaacta cagccactcc agcagtgatg 540
acaacagtag cagttgagag cataactccc atctgc 576

<210> 11475
<211> 494
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E11

<400> 11475

gaaccagga gtttgcattg cgtttgaaat agtacaaaa acagggcacg atctttgatt 60
acaagggctc cacagagaga agtcaaagat aagtaaata gaccctgagc tttttgtcca 120
ttggagttta aaataaaggg ggggttgtgt gcggtcgatc ctaaaacagg gcttgacca 180
attttattgg gctttataaa aaaacagaga acgaacgcgt gttaaaatgc tccaagacaa 240
cagggaaaaa cccaagcat gggttgagaa aaggtttaac gggcaaccgc cttttgagca 300
ttgtgtggga ggattttttc gggaaggatg aactggggcg ggattttggg gaccacccca 360
agcattgagt cgtactctc gtttttgggc gcgtactttt ttcttaacat ttttttgagc 420
tcaattttgt caaagctttt ggcgttctcg gctgcatgga cctgggctag gttgatataa 480
ttggttgctg attg 494

<210> 11476
<211> 593
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E12

<400> 11476

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aagaaatggg aaaacgatca cacatgcatg ccatggtaga gctacgtaac aaactagagt 120

agtagctagt actagctagt gaagaagtgg aaatctaact agaaaggtgg agaggggtata 180
 cggcggggcgg gcagccggtg caggctgcag ctggtgcac tagcgctagc tagaacgacg 240
 tcggcgggtgg gcgcgtcaca gccgcgtgcc cccactggcc gaacatgtcg tgcgggtgcg 300
 gcggcgtctg cgggacggcg tacatggacg gcggcacgac gggacccccg ctgctctgct 360
 gctgctccag ctgctgcgcg gtggcgccct cggacgagcc ggacagcacg gcgccctcct 420
 cggcgtctgc ctggtccagc ggcagcctct cgtaggtggc gttgccgaac gttgcggcga 480
 tcaccatgac ggggcccgc cgaatggagc tccccatgac gctcccgccc accacctgcc 540
 cctgcccccc cgccaggtac acggtgaagc cccgtggccc ccggcggcgc cgg 593

<210> 11477

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E2

<400> 11477

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 tccaccccga gatcacacaa ataatcccct ctattcacac gcagacgagg gcattcagac 120
 aacattttca atgcaagttt ttttttcttc agcccaacat gtcttagcct cgtctaaagg 180
 atctgccact cttctgcttc accagagcca tcaaggctgt cgtcattggc catgctactg 240
 ccagaacaac ccagtcacac atcctgttta tacatttggt tcgatggctc gattgactgc 300
 acaacagtaa agagtggcgc gccattggcc ttctccgcca actcagaggc ccgagaacag 360
 aaatcatcaa agtcgtcttt gtcacgacag taaaaaccaa tagccaggga gggatctatt 420
 tgttccagag ctaaggctcg gacaacgctg cagtggatg aaggaagtgt ctgcctccaa 480
 gttatccagt gcaatgtcaa ccgtcatctg aacttcatgg ggatctaggt agagagccct 540
 atcatcctgt accccagcaa atgtatgttg atgtaccagg ttttccacct aaaagcccaa 600
 gctttgtggg aacataaatg tc 622

<210> 11478

<211> 604

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-098-Q1-N7-E3

<400> 11478

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tttgctgccc cagtccctta tgccagatgt tacatagaag ttgggacttt tggatgtaac 240
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gacagctgaa cgttgatcag atttctgcct tgaccccaca tgtgcatatt ttgntgttgt 420
gcctgcaatc ttgccacttc cagctcaaat gtacatcgga tgggcaccag taagcacatt 480
ggtacaaaac ttcgctgtga agtaaaaaag tgccatctgt cagtcatttt cctctgaaga 540
aatagacata tcttctccag aagactggcc agttctcccc gagagtngag ggttttagctg 600
catg 604

<210> 11479

<211> 484

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E4

<400> 11479

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ccgaagaaaa aaaaaaaaaag cgcgatgctg catgaccggg ggaactaggg agtcgaacac 120
ggaacatgac tgaacactga aaaaagaaaa acgggaggac aggggggatg ggggataagg 180
ttccagggtc gagttagggg aaggagcatg ggccgacgat cccggtggtc ccggaaccag 240
agaaaaaaga tcctcccga caggtaaaaa aaaggagaaa gcagggaggg aaaaggggtc 300
tggaacccaa gctggaagaa aaaacaccaa tacctcaggt tgctttgaag tgggaagccc 360
tgggcgcaat tcatctctaa aaccacagg cgagtggaga ggggacaacc ctagatacgg 420
gaccttagga gttaccagct tccaagagac aatgggaaaa cagaaaacat gtggttagtg 480

<210> 11480

<211> 612

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-E5

<400> 11480

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ccagaaaata atatttcgpc aacacttggt actagcttca cctactaccg actccgactc 120
cccaggggat ttcggtcttt gattgagggg tctactactag cagtatacac gacacaaata 180
aaataataac ggtactcggt ccatgcggta aatgggtctcc cagtttttctg tcaacatcct 240
ccccaccttt cctagccatc agaatcctac ctctcagggc cctcaacgat gtatgtagca 300
tacagggtcca tagagtgtg tatggcttca taagcggcgc tcgctggtag aaagtcattc 360
acagcaacct ccttggtctc attcttcttg tagtcctcga agaagcgcct gatttcagcc 420
aagcggagag gtgggagctc cttgatatca ttgtaatgcc tgtactcggg atcatcagcg 480
cacactgcaa tgatcttgct atctgcctct ccctgatcaa tcatcggcac aaggccgatg 540
gccttcgcac gtaggaaca gcctgngata acaggctcct gcattataac cagtacatcc 600
aaaggatcac tg 612

<210> 11481

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-E6

<400> 11481

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tatccatttt aactaccac agtttgatta caaagggttag tgcttttagg ttcttttctc 120
agacccttgg cctcaccctg cgaccactgg tgtcgcccgc gtcagagagc tgcgcccata 180
cgctctggct tttcacgccg ctgctacatt gttcctcaca tccggcaact gtcgcagta 240

tctctgactg cagggatggg cagttgtctt tgagatagtc gaacccctcg gtccggatca 300
cagccgaaag gttttcagca gcaaatttta ggcaaacaga ttttaagctcg atagcatggt 360
atcgatcagc caatgctaga gtagttgcc aaggagtttac agaaacatgc ttgcacaagt 420
aagattcaca caacaatctt agccttggca actcatatct gtctgcagca gccattaact 480
tcccagctaa actatcaaat atagagcagt cagagcttga tgccatcaac tcatcatcat 540
taacaagatt gtcctgtac ataaagtga gcaccgncct gaacactaca ggatccatat 600
catcaataac gatctcct 618

<210> 11482

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E7

<400> 11482

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tcatttgtct acagtatgcg ctcaggaggg tttcaaagt aagaaccaca tgtcgctgga 120
gcaaatacagt ttacagagtg ataaaaccaa gacatgtgcg tggagcaaata cagtttacag 180
agtgataaaa ccaagacaag cttcaggctg gctgctcata agtgatgctg ctattcttgt 240
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ctgatgggct tagaactttg aactcacggc cagctcgaat aattccgatt tcaatgttgt 360
tggaggaaat ttgcccctca tacccttctt tcaaagtcaa aattgcagtg tggatggcat 420
catcaagctc catatcctct gtgtatctct tttcaagaaa tgtctttgca tttgacacat 480
tttttcccat ggctgatgcc ttccaggaga atatgatcct gagggatcaa cctgatacaa 540
ctgtggggcca ttgtcatcat acccagcaat 570

<210> 11483

<211> 570

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E8

<400> 11483

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aaccacgata cagaaggggc aaaatttatg tgtaaataag gcctgggtca aaaaccggcg 120
ataacttggg ggatggatgt tcagccccc a tgtagcaatt agaaacaaac agcaaccatt 180
tggaacattt tcctacatgc cgacaacaaa aaacttttagg ctgcaaaact taaaagccat 240
tcaagacgat tgttccttct gtttcacttg cttcgccctaa aacagatgca gcagcttccc 300
gctgtttgtt cacaaaagca atacccttct aaatgcttgc cttcaactcg gccttcagcg 360
cctaaagtgc cttggcctca tactcagtca ttccctggag gtcggcagaa atgacggact 420
caacaccatt cttgcccac ttgactcttg atgcgaaaaa tggcagggtc agttatctca 480
gactgaacaa atgtgcactc ataaacattc cggatcgcca gccagcgcac ggagaaaaga 540
ctcaacgaat ctggcagcgg cataggccat 570

<210> 11484

<211> 540

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-E9

<400> 11484

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atgcacagct tctgtgcaaa attcctattg ctgtaaaatt ggatcagcat ttccaaaaaa 120
aaaaaatcca acaacatttt tatggttccc tatcttcttt tgctcctcaa ttactcctc 180
ccttcgaact ttttaaacc ctttttgcac tttcctctct gcttgggctt tttctgcgcc 240
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ttcttcaaaa gccggtactc gtgcgccagc tcatccaggt cctccttagt ttggattgac 420
tgacgctgct tgcccgtctt cttccgcttt ggcttctccg gcttctctgg aaggctctt 480
cctctccggc tttggatttt gagcctctc ttctgcttcc cttttcagcg ccttcttgcg 540

<210> 11485

<211> 470

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F1

<400> 11485

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acaaagacgc gaaccggcga acgcgcggca acttggtcgg ctcaggagca ggagccaccc 120
cgagcggcac ccatgccatg ctcacgtact cacggagacc tatcggactc acgagccgga 180
gggatcccag gaacgacggg cgggagcggc accacggggc cgagcacggg cggcagcggc 240
gggatcagcg gcaagcccggt ggccttctcg tcgccccgc tactaccacc accgttggcg 300
gctgcaccgc ccgacgccgc cgcgccgctc gctttcagct cctgcgcgtc gcaatgggct 360
agcagcagca gcgcttcac cagcaggaga gcaacagcgg cctgcagaac cttggcatt 420
cttgcagttc gagtacacag tgatagctac tgatcgatgc tcaccgcgag 470

<210> 11486

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-F2

<400> 11486

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cttccatagc aaccgcattg ttcctgaaga acttaacgac gtgttggtggc tatgccaaact 180
tccacatctt gaggccaagg caactactcc ttgaaaagaa ccaccttgaa gagcaattaa 240
acagtgtctt caagtaaccg ctacagacca attgcggatt cctcttaaga gcaacagacc 300
cacaggaacc attttgcaat aaccaacaca ggtattgaca aaattgacgc agacatctga 360
ctaccctaca aaagtaatcc atgcaaacad gtnttgagt acacaaaatt tgatgttgag 420
tattaccatt ttgatgctcc aaccatcttt actcttggtt tttgatattc atagtactag 480
tgacaagttt aacctctct tctttcaggg gaagcataac aggtccccta aagagccatt 540
tttagcgagt actcagttct aataagaact cgatgcttcc acta 584

<210> 11487

<211> 550

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F4

<400> 11487

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gataaatatt gtctgaacag attggatgag gcgttcaact agttctcctt gcagctcgaa 180
aattctcttc ccttcttgat agttgctccc aaacgcagtt tttgagataa catttccagt 240
aagattctgg aactcaggcc agacatttat tttaaaagat ccctcaaaag gcattgaatt 300
atcccatcta gtaatcattt caatacagca ggtagaaaat actggcatca tcccccttat 360
tttttcatgg ggaaatgcag gattaaaaat tctcctgtgc tttgcccatt tttcaccatc 420
atgatttaca agcccgttgg ctagcaacct cccaatgogg ttactccttg gtttgccaaa 480
gtggccaaac ttattagaca gcacctcttt gactaactct gggtcaggaa tcacaccctt 540
gggtgttgggc 550

<210> 11488
<211> 474
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F8

<400> 11488

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taaggggggg ccaacatacg gggggaaaaa ggggggaaaa ttcggtgggg ggggggtag 120
tttggttccc aaaggggggc cccctcacia ggggaaagtt ttttgggggt ttttctacc 180
ccggggcctt ttggaataac ggggtggggg atgccagggg ttgatctggc ctggggggga 240
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aaaaggggtt ccccgttttt tccagctttt tgggggtcca gggcaccaag ggggttataa 360
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ccaaactggt tttttggcca tccatgttta ccaggggata gacacaaaaa gggg 474

<210> 11489
<211> 527
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-F9

<400> 11489

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gccagccact gcagcagaca cagcagactg acacaaaccg cttagtccac ctccctcgatc 180
ttagggggcca gggccaccgt ttccagccgg agcgtcctcg tccatgccgc cggagcctcc 240
catgtcggca cccgcgcctt ggtacatttt ggcatgatg gggttgcaaa ggctttccag 300
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gatcttctcg tccttgatcg tgttgccat gttgtaggcg tagttctcca gcgagttctt 480
ggactccacc ttcttcttgt gctcctcgtc ctccgacttg tactttt 527

<210> 11490
<211> 567
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G10

<400> 11490

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aagccaaaca acacagaaca tcccaagatg ccaacttggt ctagcaacta ctacattaca 180
ttttcatctt tctaaaatgg ccacttgggt caggccagca aaggctgac agccaaacct 240
gccccagcgc cggtaatcct tactgaagtc cgtcattagc tgtgttcttt actttcgtac 300
aacctattta tccatgcgaa aaaaaacccg gaatgatagg ggcccaaac agaacacttc 360
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gctcgccctc ttggacaagc tcagatcagg gttggcgatc tgagggtccca gcccaagcca 480
tggtgacca tccgacatct ctttcttcac aggtgtaaca tctgaagggg aaccgggta 540

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567

<210> 11491

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G11

<400> 11491

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gagtcactgc agatagcctg agcctgagca cactatctta caataaagca gcaagatgag 180
gactgctgaa gaattgtaat ttatcacaat tgagttacag tttggtaagc acaaccaatc 240
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cgaacttcaa ccctagctaa ttgtaactca taaacatgac aaatatttat acaatataaa 360
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tgatagtgtg gccaaactca ctggtttctg aagcacggat gttgcaggca agaaaaaact 480
tggtataaag atccaagcaa ttactgatgc cgagctgttt gccatggaat ggtggtagga 540
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<210> 11492

<211> 288

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G12

<400> 11492

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catagccaag agagtaagcg cagccaatgc agaccaatgt tcaatttctt tgtgagcatg 180
gaagcatgaa catggctaca tcagttcttc tcgtcttctg ttttgtctga cttgtcttcc 240
ttcttctctt gctctccctg gctgtgcaat gatgccagca aatcttta 288

<210> 11493
 <211> 589
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-G2
 <400> 11493

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aaaaaaagtt ttggtttaag accatagacc gacaaaacat cccgttttta aaccgtgggg 180
aaaaaccctt ttttttaaac ggtaaaaaca tgcccccgac cccatgcaaa accagccggg 240
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gaaaaattgg gaagccctga ggcttttcca ctgttcatgg aatggaaaaa aaaatcccaa 540
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<210> 11494
 <211> 555
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-098-Q1-N7-G3

<400> 11494

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aagaaggccg agcccaccgg cacttaacac catcaacaac agcacaaagt tagaaccggt 180
tcaatagccg actcgaattc gcgagatccg tagtgatttt tcgatccagg caattgtcaa 240
acgcttgggg aatatcgcg c tgctagcttc gtcttcaccc gattcttggg atccttgatg 300
acgcgcggaa cgacgacgag atcgagtctg gagcgagcta gcgagatgga atccgagcag 360
  
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ggtcgacgac tggcgaccac tacagactgg gagttggggc gaactgcgtg cagatgagcg 420
gtgcagatga gcgggtcgga ctcagcggcc gagcagaccc gacccagtag cgagaacaaa 480
cagagggggc gagctggagt atggacagag tgcagctggg cgactgggnt gagaatccgg 540
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<210> 11495

<211> 575

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-098-Q1-N7-G4

<400> 11495

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ccatttaacc ggctcgagcc ataataagca ttacacaaat tcatatctag aacaagctgt 180
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<210> 11496

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G5

<400> 11496

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tggttactat atatagctcg ctgtcgaac agcgggcggc tttttagtc ttcataatag 180

tcttgtttga cgaggaagct tccaggtatc tattttccag agattattct gtgtcacatt 240
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tggtggatag caagaagatt ctcaaccaat gcaaccaagc tctaaaattt ctggaccgtg 480
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<210> 11497

<211> 565

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-G8

<400> 11497

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cagtcttcaa ggtaagggtt gggct 565

<210> 11498

<211> 598

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H1

<400> 11498

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cgggtggtgtt ggtgtgccgc catcctccta atccacgttc tggatctcgc ccatcattat 300
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agcagggttt gccaccctg caccgtcacc acggtgctg ggagcttggg aggccatgtg 480
gatcacatct gctgacagga aggccttgta gttgaggaaac ttgtcgatga actcgtggtt 540
gcgggtcaagg gaaccaatgt tctcatggag gagtatttcc gcttcggtag ttgattgc 598

<210> 11499

<211> 597

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H10

<400> 11499

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<210> 11500

<211> 545

<212> DNA
<213> Zea mays
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<400> 11500

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<210> 11501
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H3
<400> 11501

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<210> 11502
<211> 474

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 accggcgccc ttaccagggc gcccgcccag attnttgatc tctgcccga tgct 474

<210> 11503
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-098-Q1-N7-H5
 <400> 11503

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<210> 11504
 <211> 587
 <212> DNA

<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-H6
<400> 11504

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atagtaggca gcccacagga acataataaa ccgtgacatc caaacacaaa acggactgac 180
accaaacgca gcccaaccaca taggggtatgc tgcgcggcac gacaataaca gtttttagac 240
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aataaactta ttgaattaat attatcaagt gaagccatga acagtagagc agcatcaact 360
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<210> 11505
<211> 579
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-098-Q1-N7-H7
<400> 11505

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ttggtagttt gtgtttgatt taaaatttaa catttttgaa aaaaaattaa ataagacgag 180
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tccagctttt atgttccgcc tcttcagcac gaggtcgggt ttaccatgtg atgctgagct 480
tgatgactcc ggaaagatgg aggcagcttt gattgcggcc ctcttatccc ttctgctttt 540

ctcaaatttc gatgcaaact tcaactgaagc cgctgcggt

579

<210> 11506

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-098-Q1-N7-H9

<400> 11506

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<210> 11507

<211> 606

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-A10

<400> 11507

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gctgcctact ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 420
gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 480
caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 540
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<210> 11508
<211> 526
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-A12

<400> 11508

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ccaacaatca tcagccctat tacagcagtt acctttgggtg catttattgg cacaaaacat 300
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gcagttacct ttggtgcatt tgttggcaca aaacatcagg gcacaacaac tacaacaact 420
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agctgcattg aactctgctg cttatttgca gcaacaacaa ctacta 526

<210> 11509
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-A2

<400> 11509

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ccaacaaccc atcattgggtg gtgccctctt ttagatttct tatgagttat agttcaataa 420
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tt 482

<210> 11510
<211> 560
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-A3
<400> 11510

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<210> 11511
<211> 605
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11511

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acaac 605

<210> 11512
<211> 601
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-A6
<400> 11512

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gccagctagc tactgcctac tctcagcaca acaacttntt ncatttaacc aattggccgc 540
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a 601

<210> 11513
 <211> 602
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<400> 11513

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 aatgctcaca agctcctata gcttcccttc ttccccata ccttccatca atgatatgctt 180
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 <211> 611
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-A9

<400> 11514

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<210> 11515
 <211> 579
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-B1

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<210> 11516
 <211> 475
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-B10
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<210> 11517
<211> 518
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-B11
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cgagggcaag aacttctaca cccggagcgc gttcctgagc gccgtcaaca agtaccggg 420
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<210> 11518
<211> 585
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-B12
<400> 11518

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<210> 11519

<211> 595

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B2

<400> 11519

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<210> 11520

<211> 609

<212> DNA
 <213> Zea mays
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<400> 11520

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gtggcagtag aggaagcaaa gacgtatgcc caggagaacg gtctcttctt catggagaca 540
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<210> 11521
 <211> 599
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-B4

<400> 11521

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cttgggaaggc tgcccgtgaa aaggaagtac ttcagctcaa gaaggaaggg agacgaaatg 180
aatatgagat gcacaagctc ttggccttaa atcagaggca gaagatggtc ttacagagga 240
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ttgaggatga actagaagtc actgtaagag cacacgaatt gcgctcatat tacgagcgac 420
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aaatgcaaga gagagcagca atatccaagg aaatagcaaa actaaaggag gaatcaaagc 480
acaagatcag tgattgtcct caagctatgt cacctagtgc tagaagttct aggatatcag 540
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<210> 11522

<211> 506

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B5

<400> 11522

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aggatcaggt ggcacctaaa gcatgtggac atactgaagg aaggaaagtc atatcaaggg 120
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tagaagggtg tggtaaaact cccatattga gccctgctga acttgaggaa attggtttca 420
ggcttgtagt atatccttta tccttagttg gggtatcaat gcgtgcaatg cangatgctc 480
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<210> 11523

<211> 561

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-B6

<400> 11523

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ctgcttttctt gcaacaacaa caacaattgc tgccatttta cccacagggt gtgggaaaca 300
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 ctaccacctt attgcagcag cccaccattg gtggtgccat cttctagatt tttttatgct 480
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<210> 11524
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-B7

<400> 11524

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 tctacctatc cccgcccccg ggatgggcga tggcaactat cctatcgcaa caatattctg 180
 ggggtgggggc tataaaacgg agcggcccg gtggggcgcg cctccatcag cgcagtcgc 240
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 cttctcccaa tctccctgc cctgccctgc cctgccgcgc cgcttagctt cgcattcttc 360
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 gttgagatgg attcggaggc ggtgcagcac ggctgcgcgc attacagccg tgggtgcagc 480
 gtctggtgcg cctgctgcgc ccaggccttc ggctgccgc attgccacaa cgacgccaag 540
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<210> 11525
 <211> 288
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-B8

<400> 11525

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agtctaccgg cacgacgggt tagaccgggg tcggtcagcc ccagctttgc cgatacgaga 120
gtgtcacgct ccctattctc atatcggtc catctccgcc tactcggaag gagttgtaga 180
gaggagtaag ggaaggcgag gtacctcagc gccccgcaaa tagggcgaag accgtgcacg 240
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<210> 11526
<211> 567
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-B9
<400> 11526

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ccattattcc acaatgctca cttgctccta gttccattat tccacagtgc ctcccaccag 180
ttacttcaat ggccttcgaa caccagctg tgcaagccta taggctacaa caagcgattg 240
cggcgagcgt cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
caatacaaac catcgcaacg caacagcaac aacagttcct accagcactg agccacctag 360
ccatggtgaa ccctgtcgcc tacttgcaac agcagctgct tgcacccaac ccacttgctc 420
tagcaaacgt agttgcaaac cagcaacaac aacaactgca acagtttctg ccagcgctta 480
gtcaactagc catgggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
gcccgtcgc tgtggccaat gcaccta 567

<210> 11527
<211> 609
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-C1
<400> 11527

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cttcttgccc ttttagtgag cgcaacaaat gcgttcatta ttccacagtg ctcacttgct 120

cctagtgccca ttattccaca gttcctccca ccagttactt caatgggctt cgaacatcca 180
 gccgtgcaag cctacaggct acaactagecg cttgcggcga ggccttaca acaaccaatt 240
 gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
 caacaacaac aacagtttct gccatcactg agccacctag ccgtgggtgaa cctgtgcacc 360
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 cagcaacaac aacagctgca acagtttatg ccagtgtctc gtcaactagc catggtgaac 480
 cctgccgtct acctacaact actttcatct agcccgctcg cgggtgggcaa tgcacctacg 540
 tacctacaac aacagttgct gcaacaaatt gtaccagctc tgactcagct agctgtggca 600
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<210> 11528
 <211> 597
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C10

 <400> 11528

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 tgtcacgccc ttcgggctta aaaattcttg aaggtcatta ctttctagct gatgctgggt 180
 atgcagcaag acctggtata ctacccccgt accgtgggtgt tcggtaccat ctttaaggagt 240
 ttcagggtac tagacgacca gaaaatccaa aggaattggt caacctacgt cactcatctc 300
 ttagaacaac aattgaacgg gcatttgga cacttaaaaa tagatttaag atactaacia 360
 ggtaacactt ttgacacaac aaggtctatg gtaatcatat cagaatcaga gaaggaaaaa 420
 ctaaaggata gagcaaggag gctcctttca aagcccatca aattcttcaa tgaaatgtaa 480
 gagctattcc ttgacagtag tgctgatgga tctcttgcca tggatgctac tacttgctta 540
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<210> 11529
 <211> 545
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 11529

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caccagctg tgcaagccta taggctacaa caagcgcttg cggcgagcgt cttagaacia 120
ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 180
cagcagcaac aagcactgag ccacctagcc gtgggtgaacc ctatcgcccta cttgcaacia 240
cagctgcttg catccaaccc acttgctttg gcaaacgtag ctgcatacca acaacaacia 300
cagttgcaac agtttctacc agcgctcagt caactagcca tgggtgaaccc tatcgccctac 360
ctacaacagc aacaacttct ttcacttagc ccgctcgcta tgggcaatgc acctacatac 420
ctgcaaciaac agttgttgca acaacagtat gctgcaacia attgtaccag ctcttactca 480
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<210> 11530

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-C12

<400> 11530

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ttgggtgcatt tattggcaca aaacatcagg gcacaaciaac tacaaciaact cgtgctagca 180
aaccttgctg cctactctca gcaacagcag ttacctttgg tgcatttggt ggcaaaaaac 240
atcagggcac aacaactaca acaactcgtg ctagcaaac ttgctgccta ctctcagcaa 300
caacagggtc tgccatacaa ccaactagct gcattgaact ctgctgctta taagcagcaa 360
caacaactac taccattcat ccagctagct gctgcctacc cacaacaatg agttgcatac 420
aaccaactgg cagaaaaaaa ctactgatgc ttatgagcaa caacagcggc tactacca 478

<210> 11531
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C2

<400> 11531

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 tgggttggtg ctgatttgaa aaacacggcg aaggggatta tttttacttg ttggggcaag 180
 ggcggttgat ctgaactgcc cctgtctagc aaattttctt cttggagccc tgggcacatg 240
 attctgtaca cgaatactcc gttagaattt cgagttcacg ggtcttgact cttttaccca 300
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<210> 11532
 <211> 599
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C3

<400> 11532

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 caccctgcc cggatccgat ggccaacagc aacctccgc gcgggatcat caaggagact 180
 cagcggctgc tcagcgagcc agcaccgggg atcagcgcgt cgccctcgga ggagaacatg 240
 cgctacttca acgttatgat ccttgggccc gcgcagtcgc cctatgaagg tggagttttt 300
 aagcttgaac tctttttacc tgaggaatat ccaatggctg ccccaaagggt taggtttctg 360
 acaaagattt atcatcccaa catcgacaag cttggttagga tatgcctcga cattctcaag 420
 gacaaatgga gccagcact tcagattcga acagttcttt tgagtataca ggctctactg 480
 agtgcgccaa atccagacga cctctctctg gataacattg caaagcactg gaaagccaat 540
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<210> 11533
 <211> 583

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-C4
 <400> 11533

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 aatgtgtgaa accccaattg ttcaacccta caggatcca caggcaatcg caacaggcat 240
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 ggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 360
 ccttgetgca tactctcagc aacatcagtt tcttccattc aaccaactgg ctgcattgaa 420
 ctctgetgct tatttgcaac aacaattacc attcagccag ctagttgctg cctaccccca 480
 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 540
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<210> 11534
 <211> 570
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11534

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 tgctctatt tcagaaagct tttattggc tgactgctgg tgcaattggg gcttgtgttg 180
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<210> 11535

<211> 552

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C6

<400> 11535

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 caacctgtac atccgacgga cgggtccaga cagcagggag atggtgactg tggaggggaag 180
 aagaggctct agtgatcaga caggcgacat gaggtacgtg agtgacttcc ccgtctacga 240
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<210> 11536

<211> 481

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-C7

<400> 11536

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 gccccgagaa gatccgcac cagaagtggc acaacatcta caaggaccac atcacctca 180
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<210> 11537
 <211> 538
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-C8
 <400> 11537

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<210> 11538
 <211> 567
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 11538

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<210> 11539
<211> 578
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<400> 11539

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gaacgtagtt gcaaaccagc aacaacaaca gctacaacag tttctgccaa cgctcagtca 480
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<210> 11540
<211> 330
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-118-Q6-N6-D10
<400> 11540

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 acctgtttcc ttactaccta gtgtccaagt cggaatatta ataagctatg ccaggattca 180
 gatcgaaata tttctgtctc tgagagatgt gttgcgtgac aacttttcga agactgttgc 240
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<210> 11541
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D11
 <400> 11541

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 gatataaaga acctgatgct gatatgataa tgggtggaagg aatatctcaa ttttgcaatg 240
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 ccacaatgtg tgaatttact cgtcaggaat tcattgggtgg actgcagtca attggggtag 360
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 ctctctcact ggagacttct attggaatgt ggcagttgct atttgctgaa agaactggcc 540
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<210> 11542
 <211> 575
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-D12
 <400> 11542

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 tgctcacttg ctctagtgc cattattcca cagttcctcc caccagttac ttcaatgggc 180
 ttcgaaacacc tagctgtgca agccaacatg caacaacaag cgcttgccgc gagcgtctta 240
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 acaacgcaac agcaacaaca gttcctacca gcaactgagcc acctagccat ggtgaaccct 360
 gccgcctact tgcaagagca gctgcttgca tccaaccac ttgctctggc gaacgtagtt 420
 gcaaaccagc aacaacaaca gctacaacag tttctgcaa cgctcagtc actagccatg 480
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<210> 11543
 <211> 466
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-D2

 <400> 11543

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 gccagggctc agtcaactag ggcatggtga accctgccgt ctacctacaa ctactttcat 180
 ctagcccgct cgcggtgggc aatgcaccta cgtgcctaca acaacaggtg ctgcaacaaa 240
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<210> 11544
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-D3

<400> 11544

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ttgtacggcg cttacgccg cctgactact attatgggag ccggaggact gtacccttac 180
gcgaaatacc tgtgaaacac cgaatgtaac cccgtgccag cagtcccta ctacgccggg 240
tgtgagcagc cgaacgccat gtttcagcca ctccggcaaa attgctgacg aacaagatg 300
aggatgatgg aactccatac cgttcgccac aatgctcaag acatgatcac aattgatcgt 360
accattcacg caagcaggag cctgtacgag ccaactatga tacatacaga gtagcacttg 420
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<210> 11545

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-D4

<400> 11545

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ttttccctca atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa 180
tgatagcttc agtatgtgaa aaccagctc ttcagcccta taggctccaa caagcaatcg 240
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tgcagtcatt ggtacaaacc atcagggcac agcagctgca gcaactcgtg ctacctgtga 360
tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattca 480
gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
cactgaaccc cgctgcttat ttgcagcagc aaatactact accatttagc cagctagctg 600
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<210> 11546

<211> 392

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D6
 <400> 11546

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 gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 180
 acccatcatt ggtgggtgcc tcttttagat ttcttatgag ttatagttca ataataaagt 240
 tttttgtctg atgtttgtgg cttcccagaa ataagaaagt acattttctag attaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa 360
 aaaaaaaaaa aacaaaaaaaa aaacaaacaa ac 392

<210> 11547
 <211> 605
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D7
 <400> 11547

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 tgaggaaagtg ggtcgtcgag cacaagctcc gagccgtagg ttgcctctgg ctaggtggga 180
 tcagcagttc gatcgctac aactggtcgc ggccaatat gaagcctagc gtcaagatca 240
 tccacgcaag gttgcatgct caagctctaa ccctggctgc attagttggt tctgcatgcg 300
 tggagtacta tgatcagaag tatggttctt ctgggcaaaa ggtggacaaa tacacaagcc 360
 aatacctggc ccattcgcat aaagattaaa ggtcgccatg ttggttcttg catgccggat 420
 taattttggg ctcatctcgg gttgctcatg acccgcccat ggatgctgga tgtttattct 480
 ttttttgtct tcataattac aaaatgggtg tgtacttgcc aggcaaatgt taatgagggt 540
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 tgact 605

<210> 11548

<211> 551
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-D8

<400> 11548

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 ccattccgcc tctcggaaga gttgagagag gagtaaggaa ggcgaggacc tcgcgcccg 180
 cgatggggcg cgacctgtac gccctcgact tcgacggcgt ctgtgtcgac agctgcgggg 240
 agagctccct ctacgccatc aaggctgcga aggtgaggtg gccgtcgctg tttgagcagg 300
 ttgacgcgcg catggaggag tggatagtgg agcagatgta cacccttcgt ccagtgggtg 360
 aaacaggata tgaaaactta ttgcttgtaa ggttgcttgt tgagatccag atacactctg 420
 ttcgaaaatc atcagttgca gatgggctta gcatccaaga aatattggag aactggtcaa 480
 aactgaagcc cactctcatg gatgagtggc aagaagatag ggaatctctt gtagatctct 540
 ttggccgtgt a 551

<210> 11549
 <211> 620
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-D9

<400> 11549

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 acaattttcc ctcaatgctc acaagctcct atagcttccc ttcttcccc ataccttcca 180
 tcaatgatag cttcagtatg tgaaaacca gctcttcagc cctataggct ccaacaagca 240
 atgcgagcaa gcaacatacc tttatcacc ttgttggttc aacaatcgcc agccctatct 300
 ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact cgtgctacct 360
 gtgatcaacc aagtagctct ggcaaacctt tctccctact ctacgcaaca acaatttctt 420
 ccattcaacc aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca 480

ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg 540
 gccgcactga accccgctgc ttatttgcag cagcaaatac tactaccatt tagccagcta 600
 gctgcagcaa aacgtgcttt 620

<210> 11550
 <211> 581
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-E1
 <400> 11550

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 ccaattgccc aattacaaca acaatccttg gcacatctaa ccatacaaac catcgcaacg 180
 caacagcaac aacaatttct accagcactg agccaactag ctgtggtgaa ccctgtcgcc 240
 tacttgcaac agcagttgct tgcattccaac ccacttgctc tggcaaacat agttgcatac 300
 caacaacaac aacaattgca acagtttcta ccagcgctca gtcaactagc catggtgaac 360
 cctgcgcctt acctacaaca gcaacaactg atttcatcta gccctctcgc tgtggttaat 420
 gcacctacat acctgcaaca acagttgctg caacagattg taccagctct gactcagcta 480
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<210> 11551
 <211> 640
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E1
 <400> 11551

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 acaatgctca caagctccta tagcttccct tcttccccca tacctctcac cagcggtgtc 180

ttcaatgtgt gaaaacccaa ttgttcaacc ctacaggatc caacaggcaa tgcgaacagg 240
 catcttacca ttatcacctt tggtcctcca acaaccgtca gccctattac agcagttacc 300
 tttgggtccat ttgggtggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc 360
 aaaccttgct gcatactctc agcaacatca gtttcttcca ttcaaccaac tgggtgcatt 420
 gaactctgct gcttatttgc aacaacaatt accattcagc cagctagtgt ctgcctaccc 480
 ccagcaattt cttccattca accaactagc agcattgaac tctgctgctt atttacagca 540
 gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 600
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<210> 11552

<211> 495

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-E12

<400> 11552

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 tgcggcgagc gtcttacaac aaccaattgc ccaattgcaa caacaatcct tggcacatct 180
 aacaatacaa accatcgcaa cgcaacagca acaacagttc ctaccagcac tgagccacct 240
 agccatgggtg aaccctgtcg cctacttgca acagcagctg cttgcatcca acccacttgc 300
 tctagcaaac gtagttgcaa accagcaaca acaacaactg caacagtttc tgccagcgct 360
 tagtcaacta gccatgggtga accctgccgt ctacctaaa cagcaacaac tgctttcatt 420
 tagcccgctc ggtgggggca aagcacctac atacctgcaa caagaattgt tgcaacagat 480
 tgtaccagct ctaac 495

<210> 11553

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-E2

<400> 11553

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 tgggttggtg ctcatTTgaa aaacagggga aggagattat ttttccttga tggggcaagg 180
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 ttcaccatct catctgcata gtccctttg tttttattct gttattcaca tgggttttct 480
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<210> 11554
 <211> 476
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E3
 <400> 11554

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 aaccctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgectac 120
 tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 180
 ttgcagcagc aaatactact gccatttagc gagctagctg cagcaagtcg tgcttccctc 240
 ttgacacaac aacagttggt gccgttctac ctgcaogcta tgcttaacgc tggcacccctc 300
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 taccaacaac ccatcattgg tggtgccctc ttttagattg cttatgagtt atagttcaat 420
 aatgaagttt tttggatgat gtttgntggc gtcccagaaa taagaaagta catttc 476

<210> 11555
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-E4

<400> 11555

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aaatgcgttc attattccac agtgetcact tgctccaagt tccattatta cacagttcct 180
cccaccagtt acttcaatgg gcttcgaaca cccagctgtg caagcctata ggctacaaca 240
agcaattgcy gcgagcgtct tacaacaacc aatttcccag ttgcaacaac aatccttggc 300
acatctaaca atacaaacca tgcgaacgca acagcaacaa caattcctac cagcactgag 360
ccaectagcc atgggtgaacc ctgccgccta cttgcaacag cagttgcttg catcaaacc 420
acttgetctg gcaaacgtgg ttgcaaacca gccacaacaa cagctgcaac agtttctgcc 480
atcgctcagt caactagcca tgggtgaacc tgccgcctac ctacaacagc aacaactgct 540
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<210> 11556

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-E5

<400> 11556

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agctcctata gcttcccttc tcccccgta cctctcacca gcggtgtctt cggatatgtga 180
aaacccaatt cttcaaccct acaggatcca acaggcaatc acagctggca tcttaccttt 240
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ctactctcag caacagcagt ttcttccatt caaccaacta gctgcattga actctgcttc 420
ttatttgcaa caacaacaa taccattcag ccagctacct gctgcctacc cccagcaatt 480
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<210> 11557
 <211> 581
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E6

<400> 11557

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cctccactcc ctagcagggc caacggtgat gctgctgtac cctctgtacg cgcccggtgc 180
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<210> 11558
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-E7

<400> 11558

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aattgttgca gttgtaagag ggtgccagcg ttaggcgcag cgtgctggta gaacggcaac 180
aactgtgggtt gtatcaagaa ggtagcaggg ctcacaccat ctagctgggt gcatggcagt 240
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acattaatcg cgggtgggtgt ggtgtttccg cctcaaagga ccgttacact tgctgcccc 360
ctagcgcgcg ctccttctgg tttcttcctt tcctttctc 399
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<210> 11559
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-E8

 <400> 11559

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 caaggagggtc gacgagcata tgatcaacgt gcagaacaag aactgggtcct actttgtgga 180
 gtggatcccc aacaacgaga agtccagcgt gtgtgacatc ccgccgtggg gcctgaccat 240
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 agcagttcac tgccatgtta aagacgaagg ctttcttgta ctggcacacg ggcgaagtca 360
 tggacgatat tgatttcacc gaggcctaa gcactatgaa tgacctcgtg tctgactac 419

<210> 11560
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-E9

 <400> 11560

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 tgaagaaact atgtgctgta gtatagccgc tggctagcta gctagttgag tcatttagcg 180
 gcgatgattg agtaataatg tgtcacgcat caccatgggt ggcagtgtca gtgtgagcaa 240
 tgacctgaat gaacaattga aatgaaaaga aaaaatattg ttccnnanaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nggggng 337

<210> 11561
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-F11

<400> 11561

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ccaagaaact gacgtacgag cagaggaagg ccagtctcat tgaaaggctc aaccaactca 180
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tcgtgcaaca.tgcatttttg ttaagtttg tcgatgcgaa caaagttgtt tctgttagtt 360
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<210> 11562

<211> 573

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F2

<400> 11562

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gccagtgtc agtcaactag ccatggtgaa cctgcccgtc tacctacaac tactttcatc 180
tagcccgtc gcgggtgggca atgcacctac gtacctacaa caacagttgc tgcaacaaat 240
tgtaccagct ctgactcagc tagctgtggc aaaccctgct gcctacttac aacagttgct 300
tccattcaac caactggctg tgtcaaactc tgctgcgtac ctacaacagc gacaacagtt 360
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attgctgcc aacaaccagt tctctttgat gaaccctgcc ttgcagcaac ccacgttgg 480
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<210> 11563

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-118-Q6-N6-F3

<400> 11563

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agatgatgat gcagcttgag cgtgccgctg ccgccagcag cagcctgtac gagccagctc 420
tgatgcagca gcagcagcag ctgctggcag cccaggggtct caaccccatg gccatgatga 480
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<210> 11564

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F4

<400> 11564

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<210> 11565
 <211> 555
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F5

<400> 11565

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gcgggaggcg gaactcaatg agctttacga tgccatgaaa gattgggtca gcgaactcag 180
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ccacggcaag ctagaatgct ccagaagaca tacacgcata tcagggaata ggacaacaga 480
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<210> 11566
 <211> 581
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F6

<400> 11566

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gatgaaggca gtggagaagc tcatcagtgg caccgagatt gatctcacag aactggaaag 480
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<210> 11567

<211> 165

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-F7

<400> 11567

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catcattggt ggtgccctct tttagatttc ttatgagtta tagttcaata ataaagtttt 120
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<210> 11568

<211> 646

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-F8

<400> 11568

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tcccggccgg cccacacggg actgcctctt ctccgaccgg gcgcgcgacg gcgcgagttt 180
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ccggggcgtc gcgctgectg tgacgctagg cccgctccag tatgaggtgt tccatgtgtg 480
cccgtccgc gccgtcgtgc cggggttctc gttecgcccc gtcgggctgc tcgatatgtt 540
caacgctggg ggcgcggttg aggagtgcga cgtgatcagc aatgtcggcg gcaaggccat 600

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646

<210> 11569

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-G1

<400> 11569

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ggatcaagga gatgttctac ccccccccc catctattgc agattttctt ggggaaactc 180

taggtggcta cactccagat catgcctagt atattttctt ttcttcgatg aaggtaactg 240

attcatgttg ggaatgaggg gagtagcagc acgtccacct tcaactctcat aataacgttg 300

cccaggcaca gccatgattt aattagaaac ttcttgtaa aggatgtttg tctttaacta 360

gtcatgcaca ctagttaatt caattcatgt cgttatggtt 400

<210> 11570

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11570

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ctgctacggc gaccattttc cgcgaatgct cgcaagctcc tatagcttcc cttcttcccc 180

cgtacctctc accagcgggtg tcttcggtat gtgaaaaccc aattottcaa ccctacagga 240

tccaacaggc aatcacagct ggcattcttac ctttatcacc cttgttctc caacaatcat 300

cagccctatt acatcagtta cctttggtgc atttattggc aaaaaacatc agggcacaac 360

aactacaaca acttggtgta gcaaacttg ctgcctactc tcagcaacag cagtttcttc 420

cattcaacca actagctgca ttgaactctg cttcttattt gcaacaacaa caactaccat 480

tcagccagct acctgctgcc tacccccagc aatttcttcc attcaaccaa ctggcagcat 540

tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag ctagctgggg 600
tgagccctg 609

<210> 11571
<211> 581
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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gcttcccttc ttcccccgta cctctcacca gcggtgtctt cggatatgtga aaaccaatt 180
cttcaaccct ataggatcca acaggcaatc gcagctggca tcttaccttt atcaccttg 240
ttctccaac aatcatcagc cctattacag cagttacctt tgggtgcattt attggcacia 300
aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc ctactctcag 360
caacaacagg ttcttccatt caaccaacta gctgcattga actctgcttc ttatttgcaa 420
caacaacaac taccattcag ccagctattt gctgcctacc cccaggaatt tgttgcatte 480
aaccaactga cagcttttga actctccctg ctatttacag aagcaacaac tactaccatt 540
taatccacct aactggggtg aagcccctgc tacctttctt g 581

<210> 11572
<211> 619
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-G12

<400> 11572
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ttattggcac aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct 180
gcctactctc agcaacaaca gtttcttcca ttcaaccaac tagctgcatt gaactctgct 240

tcttatttgc aacaacaaca actaccattc agccagctat ctgctgcta cccccagcaa 300
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<210> 11573

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-G2

<400> 11573

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 ggttggtgct catttgaaaa acaggggaag gagattatct ttccttgatg gggcaaggac 180
 ggtagatctg aaagcagcat ggcgtggaaa tatttttctt gaaaacagta ggcacaggat 240
 taagtacaag aatactccat tagaattttg agttgaaggg tcttgaattt tttacccaat 300
 tgctggagca aactcagga tctaacacgg tttagtctaa ctacttagtt aagagtattc 360
 aacataaaga ttctttggaa tcacaataag ctgacaaatg catcatttct ttatcaattt 420
 caccatctca tctgcatagt tccctttggt tttattctgt tattcacatg gtttttctag 480
 tgatgttatt atcaaagcag ttgacgatgc ttacctgttt ttccatgcta acgtggcttc 540
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<210> 11574

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-G3

<400> 11574

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 ctacaacaac ttgtgctagc aaaccttget gctactctc agcaacagca gtttcttcca 180
 ttcaaccaac tagctgcatt gaactctget tcttatttgc aacaacaaca actaccattc 240
 agccagctac ctgctgccta cccccagcaa tttcttccat tcaaccaact ggcagcattg 300
 aactctcttg cttatttaca gcagcaacaa ctactaccat tcagccagct agctgggtgtg 360
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 aacgctggca ccctcttaca actgcaacaa ttgttgccat tcaaccaact tgctttgaca 480
 aaccagcag cgttctacca aacaacccat cattgggtggg gccnctcttt tagatttctt 540
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<210> 11575
 <211> 187
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-G4

 <400> 11575

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 tncnnnactt gnctnnccaa gttccattat taccacagnn ttcctccac cagttaccct 180
 tcaatgg 187

<210> 11576
 <211> 573
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-118-Q6-N6-G6

 <400> 11576

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tatggagttg cgagttctcc tggtaaaaga gcatcgatgg aggacttcta tgaggcaaga 180
 atagacgacg ttgatggaga gaaaattgga atgttcggtg tatatgatgg tcatggagga 240
 gtccgagcag ctgagtatgt taagcagcac cttttcagca atttaataca acatccaaag 300
 ttcactactg ataccaagge tgctatcgcc gaaacttaca acctcacaga ttcagaattt 360
 ctgaaagctg atagctgtca aactcgagat gctgggtcaa ctgcctcaac agctattatt 420
 gtaggtgacc gtttgcttgt tgcaaagtgt ggagattcta gagccgttat ttctaaagga 480
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<210> 11577
 <211> 587
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-G7
 <400> 11577

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 tcaaccaact gtctacactg aacctgtgtg cttatttgca gcaacaacta ttaccattta 480
 gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
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<210> 11578
 <211> 564
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-118-Q6-N6-G8

<400> 11578

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tgccagacac caccgtttca tctaccgcct cgtttctata tgccgcctcc gttctatctg 180
ccgccgcagc agcagccgca gccatggcaa taccctactc aaccaccgca gctaagcccg 240
tgccagcagt tcggatcctg cggcgtcggc agcgtcggca gccggttcct gggccagtgc 300
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caggcgacat acggtgtggt cctgcagtcc ttcctgcagc agcagccgca gggcgagctc 480
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<210> 11579

<211> 584

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H1

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cacaagctcc tatagcttcc cttcttcccc catacctctc accagcgatg tcttcagtat 180
gtgaaaatcc aattcttcta ccttacagga tccaacaggc aatcgagca ggcattctac 240
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ttctgccatt caaccaacta gctgcattga actctgctgc ttatntgcag caacaacaac 540
tactaccatt cagccagcta gctgctgcct acccccggca attt 584

<210> 11580

<211> 617

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 11580

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gccaactaga tgtggtgaac cctgtgcgct acttgcaaca gcaggtgctt gcatccaacc 240
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agctgcttcc attcaaccaa ctgactgtgt cgaactctgc tgcgtaccta caacagcgac 540
aacagttact taatccacta gcagtgccta acccattggt cactgccttc ctacagcagc 600
aacaattgct accatac 617

<210> 11581

<211> 609

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H11

<400> 11581

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<210> 11582
 <211> 139
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-118-Q6-N6-H12

<400> 11582

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<210> 11583
 <211> 587
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H2

<400> 11583

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gcgctgatgg cggcccaggt agcgcagcag ctgacggcga tgtgcggtct gcagctgcag 540
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<210> 11584

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H3

<400> 11584

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 gctattgata tacttcccct ttatgcaggt caagctacat tccgtgctat tcaaaggccc 240
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 acaagtaaac aaccctnttt tccataaaac tccatctgga agtgcacgac agccactaca 540
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<210> 11585

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H4

<400> 11585

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 taccaacaac ccatcattgg tgggtgcctc ttttagattg cttatgagtt atagttcaat 360
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<210> 11586

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H5

<400> 11586

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 gaggaagcca aatagcggaa taagaggag gggaggacgt ggccgtttca gtggtggagg 240
 ccgggggatat tcgagagggtg gaggcgacga gtacaatagt aaccgtggga ggtcaaacgg 300
 ttacggtcgt gtcctcacc aagagagggg catacttggg agccacactc caaggaactg 360
 attcagtcga gcagcaaaca taaggttttg atccgtgtcg tcaaagcgag agagagagat 420
 cctaaacaat ccgcctatca gctactaggc cgcgtttggg ttttggggct tgttttgtcg 480
 atgaatgtgt gtgcgcgcgt catcgacctt tgtgacctt aaaacttttg ctagtctgac 540
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<210> 11587

<211> 389

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-118-Q6-N6-H6

<400> 11587

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 ccggggggcg tttttttggg gtacaaaatt ttatatgctg ttttgggggg ccattgtttt 180

tttttggggg ggggggaggt ttcatttttg gtgggcgcgg gtgtttcccc ccttttacct 240
 ggggaaaccc ggtggtttcc ttctttttttt ggtttgtggg cttttccttt ttccgcctgg 300
 gggtttgcca attgggcccc tcccgtttgg ctttttgcaa attggccgcg acctttttgt 360
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<210> 11588

<211> 600

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H7

<400> 11588

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 gtttcttgta cacagacagg cggctgcagc tgtgggtcaac aacaaagcca tgagcagcaa 180
 catcatccac aacaacatca tccacaaaaa caacaacatc aaccaccacc acaacatcac 240
 cagcagcagc aacaccaaca acaacaagtt cacatgcaac cacaaaaaca tcagcaacaa 300
 caagaagttc atgttcaaca acaacaacaa caaccgcagc accaacaaca acaacaacaa 360
 caacagcacc aacaacaaca tcaatgtgaa ggccaacaac aacatcacca acaatcacia 420
 ggccatgtgc aacaacacga acagagccat gagcaacacc aaggacagag ccatgagcaa 480
 caacatcaac aacaattcca ggtcatgac aagcagcaac aaccacaaca gcctcagcaa 540
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<210> 11589

<211> 581

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-118-Q6-N6-H9

<400> 11589

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 agttcctccc tccagttact tcaatggggt tcgaacaccc agctgtgcaa gcctataggc 180

tacaacaagc gcttgcggcg agcgtcttag aacaaccaat tgccaatta caacaacaat 240
ccttggcaca tctaaccata caaaccatcg caacgcagca gcaacaagca ctgagccacc 300
tagccgtggt gaaccctatc gcttacttgc aacaacagct gcttgcattc aacccacttg 360
ctttggcaaa cgtagctgca taccaacaac aacaacagtt gcaacagttt ctaccagcgc 420
tcagtcaact agccatggtg aaccctatcg cctacctaca acagcaacaa cttctttcat 480
ctagcccgct cgctatgggc aatgcacctc catacctgca acaacagttg ttgcaacaac 540
agttgctgca acaaattgta ccagctctta ctcagctagc t 581

<210> 11590
<211> 606
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-A1
<400> 11590

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ccaagatatt ttccatcctt atgctccttg ctctttctgc atgtgttgct aacgcgacca 120
tttttctca atactcacia gctcctatag ctgcccttct tccccatac cttccatcaa 180
tgaccgcttc agtttgtgaa aaccagccc ttcaacccta caggctccaa caagcaatcg 240
caacaagcaa cttaccttta tcaccctgt tctttcaaca atcgccagcc ctatctttgg 300
tgcagtcatt ggtacaaacc atcagggcac aacagctgca acaactcgtg ctaccagtga 360
tcagccaagt agctctggca aacctttct cctactctca gcaacaacaa tttcttccat 420
tcaaccaact gtctacactg aacctgctg cttatttaca acaacaacaa ctactaccat 480
tcagccagct agctactgcc tactctcagc agcaacaatt tcttccattt aaccaattgg 540
cgcactgaa cccctctgct tatttccagc agcaaatact actaccattt ggccagctag 600
ctacaa 606

<210> 11591
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A11

<400> 11591

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gcctacttgc aacaacagct gcttgcattc aaccacttg ctttggcaaa cgtagctgca 120
taccaacaac aacaacagtt gcaacagttt ctaccagcgc tcagtcaact agccatgggtg 180
aaccctatcg cctacctaca acagcaacaa cttctttcat ctageccgct cgctatgggc 240
aatgcacctc catacctgca acaacagttg ttgcaacaac agttgctgda acaaattgta 300
ccagctctta ctgagctagc tgtggcaaac cctgctgcct acttgcaaca actacttcca 360
ttcaaccaac tgactgtgac gaactctgct gcgtacctac aacagcgaca acagttactt 420
aatccactag cgggtggctaa cccattgggc gctgccttcc tacagcagca acaattgctg 480
ccatacaacc agttctcttt gatgaaccct gccttgctgt ggcagcaacc catcggtggt 540
ggggccatct ttagatata tatgagatgt actcgataat ggggccctca tagcggcatg 600
tgtttcctaa aaataatcaa tatat 625

<210> 11592

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A2

<400> 11592

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taatacgtc cttgcgctgc ttgggctttt tgggaggcca ccaaatgcct acattaaacc 120
agagggctga ctactcaaa gtaccaatat tatacatgca cctgccaccg aacacttagg 180
tgggggcagt acaaccatct gtgctagcct atcggttcc acatataatt gcgtgcgagc 240
gcttcacaac tatctattgc ccacttgcaa cagcgatcct tggctcattt aacaatgcaa 300
accatccttt cgcagcagca acaacaatta ctacctgaac tgaggctgct agccatgggtg 360
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<210> 11593

<211> 504

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-A3

<400> 11593

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 gccaaaggcga ggtcgagcgg cagaggctca gggacctgca gtgctggcag gaggtccagg 180
 agagcccgct cgacgcgtgc cgccaggctc tcgaccggca gctaaccggc ggcggcgtcg 240
 gcggccccgtt ccggtggggc accgggctcc ggatgcgggt ctgccagcag ctccaggacg 300
 tgagccgcga gtgccgctgc gccgccatcc ggagcatggt caggggctac gaggaggcca 360
 tgccgcctct ggagaaaggc tgggtggccat gggggcggca gcagcagccg ccgccgcang 420
 gaggaggagg aggacagggg ggctactact acccctgcag ccgggcagga gagggatacc 480
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<210> 11594
 <211> 590
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-A4

<400> 11594

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 tgctcacaag ctctatagc ttcccttctt ccccatacc ttccatcaat tatagcttca 180
 gtatgtgaaa acccagctct tcaaccatat aggtttcaac aagcaatcgc agcaagcaac 240
 atacctttat cgcccttggt gtttcaacaa tcaccagccc tatotttggg gcagtcattg 300
 gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctgtgat caaccaagta 360
 gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
 tetacactga acctgctgc ttatttgcag caacaactat taccatttag ccagctagct 480
 actgcctact ctacgaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540

gctgcttatt tgcagcagca aatactactg ccatttagcg agctagctgc 590

<210> 11595

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-A5

<400> 11595

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ctctcttgat ctgagccatg gcggaggtgg agcagcaaca ggacacgccg aagctcttca 120
accgctggac cttcgatgat gtccaggtga acgacatctc gctgaacgac tacctcgtg 180
tgaacgcgac gaagcacgcg atgtacctgc cgcacaccgc ggggcgctac tccaagaagc 240
ggttccgcaa ggcgagtgcc ccgatcggtg agcgccttac aaactccctc atgatgcacg 300
ggcgcaacaa cggcaagaag gtcattggctg tccgcatcat caagcatacc ctggagatca 360
ttcacctgct caccgatgcc aaccccatcc aggtcgctcg cgacgcgac atcaacagt 420
gcccccgta ggatgccacc cgtattggtt ccgctgggtg tgtgagaagg caggccgtg 480
atatctcacc cctgaggagg gtgaaccagg ccattctacct nctcaccact ggtgccagg 540
agagtgcctt ccngaacatc aaaaccattg ccgagtgcct tgc 583

<210> 11596

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-A6

<400> 11596

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tccaccata caagtggggg atgaggctgc tcacccaacg cgtcgacatc atctaccacc 180
gccagggcat aggacacctc cggttaacct gccacctggc ggctacatca gccactcgac 240
tgacacctgg caacaccagc tcacctaaca cctccggggc atgtggcctt cacaagatca 300
actgcgcg ccaccataat agtaccctac taccacactc ctgcctgagc 350

<210> 11597
 <211> 625
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-K6-A9

 <400> 11597

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ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc caattcttca   180
accctacagg atccaacagg caatcgcagc tggcatctta cctttatcac ccttgttcct   240
ccaacaatca tcagccctat tacaacagtt acctttgggt catttattgg cacaaaacat   300
cagggcacaa caactacaac aacttgtgct agcaaacctt gctgcctact ctcagcaaca   360
gcagtttctt ccattcaacc aactagggtc attgaactct gcttcttatt tgcaacaaca   420
acaactacca ttcagccagc tacctgctgc ctaccccag caatttcttc cattcaacca   480
actagcagca ttgaactctc ctgcttattt acagcagcaa caactactac cattcagcca   540
gctagctggg gtgagccctg ctaccttctt gacacaacca cagttgttgc cgttctacca   600
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<210> 11598
 <211> 569
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-B1

 <400> 11598

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tagcttcctt ttttcccccg tacctctcac caacgggtgc ttcggtatgt gaaaacccaa   180
ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg catcttacct ttatcacct   240
tgttcctcca acaatcatca gccctattac agcagttacc tttggtgcat ttattggcac   300
  
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aaaacatcag ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gectactctc 360
 agcaacagca gtttcttcca ttcaaccaac tagctgcatt gaactctgct tcttatttgc 420
 aacaacaaca actaccattc agccagctat ctgctgcta cccccagcaa tttcttccat 480
 tcaaccaact gacagcattg aactctcctg cttatttaca gcagcaacaa ctactaccat 540
 tcagccagct agctgggtgtg agccctgct 569

<210> 11599

<211> 528

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B10

<400> 11599

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 aggctgatgt tacttggcag accagagaag ggactttgct ccataaaga tgtgatatga 120
 ccttgagcat aaaaagtggg tcaactgcaa caagaagtgt ttggctgtga taaagaacac 180
 aattgtgcct acaatagtgg gcttagtccc agagtgtgag cctgtcacag agtaccttga 240
 caaaataaat agtcagtcca ctggctcttc aaaaacatat gctacccagt tgataaagca 300
 gctgatgaca gagaggtact ctggaggtgg cagtggcata agagagcaca tactaaggat 360
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 catataattt ttgcttcctt ggcaaaggaa tttgatactt ttgttgtaa ctataacata 480
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<210> 11600

<211> 580

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B11

<400> 11600

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 cttatcgatg ataaaatatt atgtatgcac ggtggacttt ctccgatct agcacacttg 180

gatgagataa agaacttgca acgtccaacc gatgtaccag atcaaggtct actgtgtgac 240
 ttacttttggc cagatccagg aaaagatggt caaggggtgg gcatgaatga tagaggggtc 300
 tcatatacct ttggtgctga caaggtttca gaattcctgc aaaggcatga tcttgatcct 360
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 gtcaccatat tctcggctcc caattattgt ggtgaatttg ataatgctgg cgcaatgatg 480
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<210> 11601
 <211> 485
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-K6-B12
 <400> 11601

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 aaaaaaaaaa aaggggaggc acgttctaaa aggatccaaa atttacaggc cgcgtgcttt 120
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 tacaacgaac ttgactgggg aagaccctcg gctttacca gcttaatcgg cttaaaccac 240
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 cagttggggc gcctcaatgg cgaatgggac acaccttgtc acccgcatt aagcttggaa 360
 cgccccctga tccctcacat taagaccggt aaatttgccg gtcccctaac gcccgccctt 420
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<210> 11602
 <211> 580
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-B2
 <400> 11602

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 tgctcacttg ctccaagttc cattattaca cagttctctc caccagttac ttcaatgggc 180
 ttcgaaacacc cagctgtgca agcctatagg ctacaacaag caattgcggc gagcgtctta 240
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 gcaaaccagc cacaacaaca gctgcaacag tttctgccag cgctcagtca actagccatg 480
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<210> 11603

<211> 575

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B3

<400> 11603

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 tcctatagct tcctttcttc ccccgacct ctcaccagcg gtgtcttcgg tatgtgaaaa 180
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 tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 480
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<210> 11604

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B5

<400> 11604

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cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacgggtg tcttcggtat 180
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atttattggc aaaaacatc agggcacaac aactacaaca aettgtgcta gcaaaccttg 360
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cttcttattt gcaacaacaa caactacat tcagccagct atctgctgcc taccgccagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
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<210> 11605

<211> 578

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-B6

<400> 11605

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tgtgctggta cgtgtcaaag gacccttga gaaggccttg gctgaagctg gcttgacaac 180
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ccaggttaat gatgggtttc ctttctcaat tgcattgtca tggaaacaag actcgagaa 420
cagtgcaccc caacagaccc ttgtatttcc aaaggggaat gtaattccca gcattaaagc 480

tctaaccttc tataaatoca gtacatttga agttgatgtt ttgtatgtgg acacatgcga 540
ctcgcaaatt cacagaagaa agcacttaca caattgga 578

<210> 11606
<211> 534
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-B7

<400> 11606

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cgccgtgatg gcggcgggcg ctacggcggt ggcgggggcg gctacgggtg cggcgggtggc 180
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tccagcagac ccatgcatca accagcatgg actgtggatc gatggatgct gttactcctg 480
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<210> 11607
<211> 590
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C1

<400> 11607

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gagcacggag aagggctccg tctgggtcac catgaagcga tcaactctca agggcaaggc 180
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agacaagaag aagactgcag atgctgagaa ggcaattgag accgcaccca agaagcagaa 420
gaaagcatct tcaaagaaat cttcagggtc caagtcataa ggcgctcaca gaactcagtg 480
tgtcttctcc tttatgttgt ttaccgccag actaattaga gtgtcgtgaa gttttactta 540
tctggttttt attcgaattc gtgtctggaa gatgaaagcc tgtgaataca 590

<210> 11608

<211> 502

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C10

<400> 11608

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cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgcagct ggcattctac 240
ctttatcacc cttgttcctc caacaatcat cagccctatt acaacagtta cttttggtgc 300
atattattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagttttctc cattcaacca actaggttca ttgaactctg 420
cttcttattt ggaacaacaa caactaccat tcagccagct acctgctgtc tccccccac 480
aatttggtcc attcaaccaa ct 502

<210> 11609

<211> 487

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C11

<400> 11609

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agcaccacag gttaataatc ttctgcaagt gtgtccagga aataccaagc tgttgctact 120
gaaagtggat cagccgggat atcaaataat gatgcacaaa ccatctgcaa catgtttgtc 180

actgcatcac aacaactggc aaaaaatcta gagcatcaca ccttaaataga acatgggctc 240
tctaaaagat atgtacgctc cctgcagata tcggaggtgg tgaatcacat gaaggacttg 300
attgagttca gccacaagaa cggccttggc cctaaagaga gcctgaacag ctattctaaa 360
accatggcga agtttcacaa tatgcatgat tcaagacagc tcatggcgtg ctgccaacct 420
tgccaataac cagagcaaca ccaaactaat ggggaccaa caagaagcga gtgcttctgt 480
gaccaac 487

<210> 11610
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-C12

<400> 11610

gcnaccgta tccaaccgag tcccggcggc gatggcggcg gcgacgaacg ccgatgtgga 60
ggtggctgac ttcgacctcg atgacgacga cctcatggac gaggacgccg ggccagatcc 120
agcaccgccc cccgcctccc gcctccgctc caccatcgcg ggcgacgacg cgccgcgtag 180
gaccaagggc cgcggttcc gcgaggaccc taactcctcc gctaccgcg actcgcgctt 240
tggcgcgggg ggacgcgccg acctcgactc gcttggcggc ccaggacca tccactcaat 300
tgaaggatgg attgtgttgg tcacaggagt tcacgaagaa gctcaagaag atgaccttca 360
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cggatttggc aaggggtacg ctttc 445

<210> 11611
<211> 613
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C2

<400> 11611

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cacaatgggt atctcgctg actcgatgca caagcgccga gccaccggtg gaaagcagaa 120
ggcctggagg aagaagcga agtatgagct tggctgccag ccagccaaca ccaagttgtc 180

aagcaataag acggtgagga ggggtccgtgt tcgggggaggt aatgtgaaat ggaggggtct 240
 tcgccttgat actggtaact actcatgggg aagtgaagct gttacccgca agaccggtat 300
 cctcgacgtg gtctacaatg catcaaacia tgagcttgtg aggacacaaa cccttgtgaa 360
 gagtgccatt gtgcaagttg atgctgcccc attcaagcag tggtagctca ctactatgg 420
 agttgacatt ggttaggaaga agaaaacccc tgctgcaaag aaggataatg ctgagggaca 480
 agaggttgag gcagcagctg aggaacgaa aaagagcacc atgtcacgag gaagcttgag 540
 aagcgcaagg agggacgtac ccttgacccc acacattgag agcaatttgg cagtggacgg 600
 ttgctggcat gca 613

<210> 11612
 <211> 605
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-C4
 <400> 11612

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 ccttatgctc cttggtcttt ctgcaagtgc tgctaccgca accattttcc cacaatgctc 120
 acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtg cttcagtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgagcag gcattctacc 240
 tttatcacc ttgttctcc aacaaccgtc agccctatta cagcagttac ctttggtgca 300
 tttgttgga caaacatca aggcacaaca actacaacia cttgtgctag gaaaccttgc 360
 tgctactct cagcaacagc agtttcttcc attcaacaa ctggctgcat tgaactctgc 420
 tgcttatttg caacaacaac taccattcag tcagctagct gctgctacc ccagcaatt 480
 tcttccattc aaccaactgg cagcattgaa ctctgctgct tatttacaac agcaacagct 540
 accaccattc agccagctag ctgatgtgag cctgttgcc ttcttgacac acacagttgt 600
 tgccg 605

<210> 11613
 <211> 520
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C5

<400> 11613

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tctgtcgttc tgctctagag tttctcctcc aaagtggatc ttctccgaac ataatacatt 120

gccatgattg gtcaagtgtc cctgttgctt ggctacacaa ggaaaactac gcgaagtcta 180

gcttggcaaa cgcacgggtg gtattcacca tccacaatct tgaatttgga gcgcatcata 240

ttggcaaagc aatgagatat tgtgataaag caacaactgt ctctaataca tattcaaagg 300

aagtgtcagg tcatggtgcc atagttcctc atcttgggaa attctatggc attctcaatg 360

gaattgatcc ggatatatgg gatccgtaca atgacaactt tatcccggtc cactacactt 420

gtgagaatgt ggttgaaggc aagagggctg ctaagagggc actgcagcag aagtttgggt 480

tacagcaaat cgatgtcccc gtcgtaggaa tcgtcactcg 520

<210> 11614

<211> 547

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-C6

<400> 11614

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tattttgctt ctttatgctc cttggtcttt ctgcaagtgc tgctaccgca accattttcc 120

cacaatgctc acaagctcct atagcttcct ttcttcccc atacctctca ccagcgggtg 180

cttcagtatg tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagcag 240

gcattcttacc tttatcacc ttgttcctcc aacaaccgtc agccctatta cagcagttac 300

ctttggtgca tttgttggca caaaacatca aggcaaca actacaacaa cttgtgctag 360

gaaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa ctggctgcat 420

tgaactctgc tgcttatttg caacaacaac taccattcag tcagctagct gctgcctacc 480

cccaacaatt tcttccattt caccaacctg cagcattgaa ctctgctgct tatttacaac 540

agcaaca 547

<210> 11615

<211> 532

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C7

<400> 11615

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cctcaatgct cacaagctcc tatagcttcc cttcttcccc cataccttcc atcaatgata 180
gcttcagtat gtgaaaaccc agctcttcag ccctataggc tccaacaagc aatcgagca 240
agcaacatac ctttatcacc cttgttggtt caacaatcgc cagccctatc tttggtgcag 300
tcattggtac aaaccatcag ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
caagtagctc tggcaaacct ttctccctac tctcagcaac aacaattgct accatttagc 420
caacatgctt tgacgaatcc taccacctta ttgcaaccgc ccaccattgg tgggtccatc 480
ttctagattt tttatgattt atactgcaat aataaaagtc tcatgctgat at 532

<210> 11616

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-C8

<400> 11616

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ataatgcaag cagatgagga tgttgaaaag attgcactag cagttcctgt tttagtttcg 120
aggtctcttg aattgttttt acaagattta attgaccgta cttatgaaat tactcttcaa 180
agtggagcaa agacactgaa ttccttcac ctgaagcaat gtgtgaagag gtacagttct 240
tttgatttcc taactgaagt tgtcagcaag gtaccagatc ttggtggcgc tgattcctgt 300
ggagatgaaa gaggattacc tagaagaaaa aagtcaaag gcagtgacc agaaaatgat 360
gaatcaagat ctagtaaaat ggccataaga aatgcaaaca tcacccccag aggacgttgg 420
aggggtccag gcataagacc aggtcgg 447

<210> 11617
 <211> 585
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-D1

<400> 11617

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 aaatatattt cttccttatg ctccttggtc tttctgcaag tgctgctacc gcaaccattt 120
 tcccacaatg ctcacaagct cctatagctt cctttcttcc cccatacctc tcaccagcgg 180
 tgtcttcagt atgtgaaaac ccaattcttc aaccctacag gatccaacag gcaatcgcag 240
 caggcatctt acctttatca ccttggttcc tccaacaacc gtcagcccta ttacagcagt 300
 tacctttggt gcatttggtg gcacaaaaca tcaaggcaca acaactacaa caacttggtg 360
 taggaaacct tgctgcctac tctcagcaac agcagtttct tccattcaac caactggctg 420
 cattgaactc tgctgcttat ttgcaacaac aactaccatt cagtcagcta gctgctgcct 480
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 aacagncaca gctaccacca ttcagccagc tagctgatgt gagcc 585

<210> 11618
 <211> 231
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-121-Q6-K6-D10

<400> 11618

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 tgttgccctt tgtccaactt gctttgacaa acccagcagc ctcctaccaa caacacatca 120
 ttggtggtgc cctcttttag attgattatt agttgtaatt caataataaa gttttttgga 180
 tgaggtctgt ggccaaccag aaataagaag ttacatttcc agattctaaa a 231

<210> 11619
 <211> 393
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D11

<400> 11619

gcgaagccct gggcgtcagc atgcacgtcg ccgagaagct gcagagccgg cgtgaccagc 60
gaggcgagat cgtccgcgtg gagccggagc acggctttca ccagctgaat ccgtcgccgt 120
cgtcgtcgtc gttttcgttc ccatcgtcac aagtccagta ccaaactgtc cagcgcgacg 180
tcgacaggca caactgtctg gccatggagg tgaggcacag cgtcgaacgg ctggaccagg 240
ccgacgtcta cagccctggg gctggggagga tcacacgcct caccagccac aagttccccg 300
tcctcaacct tgtacagatg agcgcgggtg ggtagacct gtgccaggac gccatcatgt 360
cggccgttct ggaactttaa cgcccacagc gcc 393

<210> 11620

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D12

<400> 11620

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acatggctga gcgggtggta ggtcatgggt ccttcggaac cgttttccag gccaaagtgc 120
ttgaaactgg tgagaccgta gctataaaaa ggttcttcaa gacaagagat acaagaatcg 180
tgagctgcaa accatgcgag tgcttgacca cccaaatgtg gtggctctaa agcactgttt 240
cttctcaaag actgagaaag aggagcttta cctcaatttg gtgcttgagt atgtaccgga 300
gactgctcat cgtgtcatca aacattacaa caagatgaac cagcgcacgc ctttgattta 360
tgcaaaactg tatatgtatc agattttag agccttggca tacattcaca acagcattgg 420
agtgtgccac aaggacatta agccgcaaaa tctcctggtt aatcctcata cccatcagct 480
aaaattgtgt gactttggca gcgcgaaaag ttttgtaaaa ggcgaaccaa acatttttta 540
catctggtct aggtactac 559

<210> 11621

<211> 569

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D2

<400> 11621

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ataagccagt ggcaaatgat gtagatatca atgcaattgc ccgaagtaca ccaggcttta 120
atggggctgg tacatgcatt ttcctttggt ccattattga gaagtagcat gtcacatttc 180
attttataag tgccatgagg aatttaaagg actgtgtaat tcttttcact agcagctaca 240
tcttcctggt tttcctttgt catttacgag tggatatttg aatatgaata caatattaca 300
catttttcat ttaagaaaa agatgttaaa catgccttga gtataatctt ttagattgta 360
ccgtgatatt tgtattctga catctctttg tctctttctg ttagacctag ccaaccttgt 420
aaacattgca gcaataaagg ctgcgggtga aggtgcggac aaattgaatg ctgttcagtt 480
ggagtttgcc aaagatcgta ttatcatggg aaccgagagg agatcaatgt tcatatctga 540
tgaatcgaga aagcttactg cctaccatg 569

<210> 11622

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D3

<400> 11622

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tcgttgccct tgctctcctg gcgctcgctg cgagcgccgc ctccagtaca agcggcggct 120
gtggctgcca gacaccaccg tttcatctac cgctccggtt ctatatgccg cctccgttct 180
atctgccgcc gcagcagcag ccgcagccat ggcaataccc cactcaacca ccgcagctaa 240
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agtgccaggc gctgcagcag cagtgtgcc accagatcag gcaggtggag ccgctgcacc 420
gggtaccaggc gacatacggg gtggctcctg agtccttctt gcagcagcag ccgcagggcg 480
agctcgcggc gctgatggcg gccccagtag cgcagcagct gacggcgatg tgcggcctgc 540

agctgcagca gccagggtccc tgcccttgca acgcagctgc cggcgggtgct tacta 595

<210> 11623

<211> 635

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D4

<400> 11623

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ccattacttt gattgtttgg ttcaaactcat ctatatcatg gtattccatc actctctgat 120
tggaggggta ttggataacg ctccattttc tataagtcag gttaaaagat tacattgtgc 180
ctaaaacaaa cacgatacaa tataatcagt tgtcgtctata attaaataac attacatttc 240
actgaaccaa acaacatctt agtttagtta attaccttca ttccattgat gttgttttct 300
ttctcttcat tttattgatt tcctttcaaa ttgcatccca tcggttgatt cttgatttgt 360
tgcttttgtg aacaagcttt gtgacttatt ttggatttga gtagcacaat cataacattg 420
ctggtaagag atctcttggc cttgattgaa atggccagtc attattgtct gcgtaataga 480
ttatgtttgc attattttca tagccacacc agaactcttt aattcttcat gcttttacgg 540
atctgttttg tccatatgtc cgagtgaatc ttcttttatt tagcaaggta actatgttct 600
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<210> 11624

<211> 509

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D5

<400> 11624

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ggtgcgggag gagctggtgg cggcgggcag ccggacgccg tcgccaaga cgaaggcgctc 180
gcagctggtg gggcgcttcc tggccgcctc cgagccggcc gtgtccgtgc agctcggcga 240

ccacggccac ctgcctact cccacaccaa ccaggcgctc ctccgcccc ggtcgttcgc 300
 ggccaaggac gaggtgttct gcctgttcga ggggggtgctg gacaacctgg gtcgtctgag 360
 ccagcagcac gggctgtcaa gcaagggcgc caacgaggtg ctctctgtca tcgaggccta 420
 caagacgctg cgcgaccgcg cgccctaccc ggncagcttt atgctcgccc agctcaccgg 480
 ctctacgcc ttcgttctct tcgacaagt 509

<210> 11625

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-D6

<400> 11625

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 ccctccttat gtccttctgt ctttctgcat gtgttgctaa cgcgacaatt ttcctcaat 120
 gctcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg atagcttcag 180
 tatgtgaaaa ccagctctt cagccctata ggtccaaca agcaatcgca gcaagcaaca 240
 tacctttatc acccttggtg tttcaacaat cgccagccct atctttggtg cagtcattgg 300
 taaaaccat cagggcacag cagctgcagc aactcgtgct acctgtgatc aaccaagtag 360
 ctctggcaaa ctttctctcc tactctcagc aacaacaatt tcttccattc aaccaactgt 420
 ctacactgaa ccctgctgct tatttgcagc aacaactatt accattcagc cagctagcta 480
 ctgcctactc tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg 540
 ctgcttattt gcagcagcaa atactactac catttagcca gctagctgca gcaaaccgtg 600
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<210> 11626

<211> 574

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-D7

<400> 11626

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tcaacgcggc gctggcgcac cacatcatgg cggcgccga cgtgctcgcc gtcaccagcc 120
gcttcgagcc ctgcggcctc atccagctgc aggggatgcg atacggaacg ccctgcgcct 180
gcgcgctccac cgggtggactc gtcgacacca tcatcgaagg caagaccggg ttccacatgg 240
gccgcctcag cgtcgactgt aacgtcgtgg agccggcgga cgtcaagaag gtggccacca 300
cattgcagcg cgccatcaag gtggtcggca cgccggcgta cgaggagatg gtgaggaact 360
gcatgatcca ggatctctcc tggaagggcc ctgccaagaa ctgggagaac gtgctgctca 420
gcctcggggc cgccggcggc gagccagggg tcgaaggcga ggagatcgcg ccgctcgcca 480
aggagaacgt ggccgcgccc tgaagagttc gggctgcagg gccctgatc tcgcgcgggg 540
tgcaaagatg tggggacatc ttcttatata tgct 574

<210> 11627
<211> 533
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-D9
<400> 11627

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tccatcctta tgctccttgc tctttctgca tgtgttgcta acgcgaccat ttgtcctca 120
atactcacia gctcctatag ctgcccttct tccccatac cttccatcaa tgaccgcttc 180
agttttgtgaa aaccagccc ttcaacccta caggctccaa caagcaatcg caacaggcaa 240
cttaccttta tcaccctgt tctttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
ggtacaaacc atcagggcac aacagctgca acaactcgtg ctaccagtga tcagccaagt 360
agctctggca aacctttctc cctactctca gcaacaacia tttcttccat tcaaccaact 420
gtatacactg aaccctgctg cttattttaca acaacaacia ctactaccat tcatccagct 480
agctactgcc tactctcaac agcaacaatt ttcttccatt taaccaatt ggc 533

<210> 11628
<211> 632
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E1

<400> 11628

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gtacacagac aggcgggctgc agctgtgggtc aacaacaaag ccatgagcag caacatcatc 180
cacaacaaca tcattccacaa aaacaacaac atcaaccacc accacaacat caccagcagc 240
agcaacacca acaacaacaa gttcacatgc aaccacaaaa acatcagcaa caacaagaag 300
ttcatgttca acaacaacaa caacaaccgc agcaccacca ccaacaacaa caacaacagc 360
accaacaaca acatcaatgt gaaggccaac aacaacatca ccaacaatca caaggccatg 420
tgcaacaaca cgaacagagc catgagcaac accaaggaca gagccatgag caacaacatc 480
aacaacaatt ccagggtcat gacaagcagc aacaaccaca acagcctcag caatatcagc 540
agggccaggg aaaaatcaca acagcaacaa tgtcattgcc aggagcagca acagactaca 600
aggtgcagct ataactacta tagcagtagc tc 632

<210> 11629

<211> 121

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E10

<400> 11629

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cgctgacgct aggatacatt ctgcaagcaa atgcatcgcg tggacacaac gatgtcatcc 120
g 121

<210> 11630

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E11

<400> 11630

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ggctggtaac ttgacgcaag ggggttcaaga aatttaagcc acacactctt catcataggg 180
ccaggcaata tttgtgttaa tctcagggac ctccagtaga ttgtgagag ttatccttga 240
tacaggggaa tatagacaca gaattttttg aacattgatc tgtagccagt gctgcaatgg 300
ctacaaagct tgtggttctc ggtatcccct gggatgttga cactgaaggg ttacgagagt 360
acatggccaa gtttggaccc ctagatgatt gtgtcgtcat gaaggagcgg tcttctgggc 420
gatctcgtgg gtttggctat gtaacattcg catcagccga cgatgcaaag aatgttcttg 480
attgcgagca tgttcttggg agcgcgtacat tagaagttaa gatagctact ccaaaggaag 540
aatgaaatc acaaggaac 559

<210> 11631
<211> 564
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-121-Q6-K6-E12
<400> 11631

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atgctccttg ctctttctac atgtgttget aacgcgacaa ttttccctca atgctcacia 120
gctcctatag ctcccttct tccccatac ctcccatcaa ttatagcttc aatatgtgaa 180
aaccagctc ttcaaccata taggcttcaa caagcaatcg cagcaagcaa cataccttta 240
tcgccccttg tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt ggtacaaacc 300
atcagggcac aacagctgca gcaactcgtg ctacctctga tcaaccaagt agctctggca 360
aacctttctc cctactctca gcaacaacaa tttcttccat tcaaccaact gtctacactg 420
aacctgctg cttatttgca gcaacaacta ttaccattta gccagctagc tactgcctac 480
tctcagcaac aacaacttct tccatttaac caattggccg cactgaaccc cgctgcttat 540
ttgcagcagc aaatactact acca 564

<210> 11632
<211> 247
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E2

<400> 11632

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gcatttgggg gccgggggca agagagagag agagagccat ggcggcggac cagcagccgc 120
agctgcagga ggagatgaac gacgctgccg gggcgggcct caggctgcct ccaggggttc 180
cgcttccacc cgagcgactt cgagattgtc agcttctacc tcaccaacaa ggtgctcaac 240
acgcgct 247

<210> 11633

<211> 616

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E3

<400> 11633

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cggccaagat attttccatc cttatgctcc ttgctctttc tgcattgtgt gctaacgcga 120
ccatttttcc tcaataactca caagctccta tagctgcctt tcttccccca taccttccat 180
caatgaccgc tttagtatgt gaaaaccag cccttcaacc ctacaggatc cagcaagcaa 240
tcgcaacaag caacttacct ttatcacacc tgttctttca acaatcgcca gccctatctt 300
tgggtgcagtc attggtacaa accatcaggg cagaacagtt gcagcaactc gtgctaccag 360
tgatcagcca agtagctctg gaaaaccttt cccctactc tcagcaacaa caatttcttc 420
cattcaacca actgtctata ctgaaccctg ctgcttattt gcagcaacaa caactactac 480
cattcagcca gctagctact gcctactctc agcagcaaca atttcttcca tttaaccaat 540
tggccgcact gaacctctct gcttatttcc agcagcaaat actactacca ttggccagc 600
tagctacaac aagccc 616

<210> 11634

<211> 603

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E4

<400> 11634

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agagcagaac ttgacaacct caagaaggct tgtcaagaca tggaagcaga aaattcacgt 120
ctgttgggtg ggggtggctga cgcccaggta ccaagtgtca cgaccacact gggaatgagc 180
atcgagccgc cgaagttgca gctgcagctg cagcagcatc atgatgagga gggccagctc 240
cacaagaaat ctagtaataa cagcaatggg aactgtgctg gaggcagcca caaaccggag 300
gctaactacta ctaggtgaga tacagagggtg gatgaggaag tgacaaagat gagatgagat 360
gagggtgtttc ttatctaacc acaacaccca tcacgggtca gtgtgtgtgt tttttcttag 420
cgaagctgtc gtttttagtcc tcgcagcccg ctggggccat gtagagtcgc cccactgca 480
gccatgtatt atttatggct cgtcgcggng tgctttgtgt tttttgtgt gttgggtaaa 540
aactattgat gtaacaaaac ctagagagcc ctagagtttt tttttatgtc tgctaactcc 600
tga 603

<210> 11635

<211> 590

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E5

<400> 11635

gcaacataga aagtggaatc cagtagcaac aatagagcaa caatggcgac caagatattt 60
tccctcctta tgctccttgc tctttctaca tgtgttgcta acgcgacaat tttccctcaa 120
tgctcacaag ctctatagc ttcctttctt ccccatacc ttccatcaat tatagcttca 180
atatgtgaaa acccagctct tcaaccatat aggtttcaac aagcaatcgc agcaagcaac 240
atacctttat cgcccttggt gtttcaacaa tcgccagccc tatctttggg gcagtcattg 300
gtacaaacca tcagggcaca acagctgcag caactcgtgc tacctctgat caaccaagta 360
gctctggcaa acctttctcc ctactctcag caacaacaat ttcttccatt caaccaactg 420
tctacactga accctgctgc ttatttgcag caacaactat taccatttag ccagctagct 480
actgcctact ctgagcaaca acaacttctt ccatttaacc aattggccgc actgaacccc 540

gctgcttatt tgcagcagca aataactacta ccatttagcc agctagctgc

590

<210> 11636

<211> 386

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-E6

<400> 11636

ttctgctntc actttttgctt cgcgcgctca cccgaggcga tctggctaac ctttgccqgt 60
actctcagtt gcggacactc ttttccattc aaccggctgt gtctactggc ccctgctgct 120
gatttgccctg gtcaccggct cctcccgctc tgccatctcg ctactgccta ctgtcagcgg 180
gggcgggggc ttgcatttga ccacttggcc gctctgaacc cctctgctta tttccagctg 240
ccaactctac taccatttgg gctgctcgct acaacacgcc cegttccctt cttgccgctg 300
catctagtgc ttgcgttcta ccagccgctg gtggcttacc cgcgaaccct cttactnctg 360
ctgctgttgc cggcctctgt ccaact 386

<210> 11637

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-E7

<400> 11637

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atcttatggc gcaaacaaac aaaagaatag tgccaaagtt cactgaaatc ttccccgtgg 120
aggacgcgaa ctacccttac agcgccttca tcgcgtcggt ccggaagac gtgatcaaac 180
actgcaccga ccataaaggg atcttccagc ccgtgctgcc accggagaag aaggtcccgg 240
agctatgggt ctacacagag ctcaaaacta ggaccagctc catcacgctc gccatacgca 300
tggacaacct gtacctcgtg ggcttcagga ccccgggcgg ggtgtggtgg gagttcggca 360
aggacggcga caccacctc ctcggcgaca accccaggtg gctcggcttc ggcggcaggt 420
accaggacct catcggaac aagggctctg agaccgtcac catgggccgc gccgaaatga 480
ccagggccgt caacgacctg gcga 504

<210> 11638
 <211> 576
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-E8

<400> 11638

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 tgctccttgg tctttctgca agtgtgcta cggcgaccat tttcccacaa tgctcacaag 120
 ctcttatagc ttcccttctt ccccggtacc tctcaccaac ggtgtcttcg gtatgtgaaa 180
 acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
 cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt ctccattca accaactagc tgcattgaac tctgcttctt 420
 atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactgaca gcattgaact ctctgctta tttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgcta 576

<210> 11639
 <211> 578
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-F10

<400> 11639

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 atgtccttgg gtctttctgc aagtgtgct acggcgacca ttttcccaca atgctcaca 120
 gctcttatag ctcccttctt tccccgtac ctctcacaa cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta 240
 tcacccttgg tctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa cttgctgcc 360

tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
tatttgcaac aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt 480
cttccattca accaactgac agcattgaac tctcctgctt atttacagca gcaacaacta 540
ctaccattca gccagctagc tgggtgtgagc cctgctac 578

<210> 11640

<211> 514

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F11

<400> 11640

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cgcatcacca tgggtggcag tgtcagtgtg agcaatgacc tgaatgaaca attgaaatga 120
aaagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaag 180
ggggggggcc gcttctatag gagacaaaat tttaacgcgcg cgtgtgtgag attatatatt 240
ttttatatgg ggacataaaa aaaaaataca gggggcggtt ttaaaaaacg gagagagggg 300
aaaaactggg gtgacacaaa ataaaatcgt tttaaaacat atcccttttt cgagaggggg 360
aaaaatagag aagacgcca cacatcgccc tttaaaaaac atgcgcaccc tctatgtgga 420
gagtgcacg ccctctagag gggcataaaa cgcgggggggt gtgggggtta cacgcacagt 480
gacacctata cttttgagag ctctatagcc cccg 514

<210> 11641

<211> 556

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F12

<400> 11641

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acagcagctg cagcaactcg tgctacctgt gatcaaccaa gtagctctgg caaacctttc 120
tccctactat cagcaacaac aatttcttcc attcaaccaa ctatctacac tgaaccctgc 180
tgcttatttg cagcaacaac tattaccatt cagccagcta gctactgcct actctcatca 240

acaacaactt cttccattta accaattggc cgcactgaac ctcgctgctt atttgcagca 300
gcaaataatta ctaccattta gccagctagc tgcagcaagc cgtgcttcct tcttgacaca 360
gcaacaggtg ctgcctttct accagcagtt tgcggctaac cccgcaacc tcttacaact 420
acaacaattg ttgccctttg tccaacttgc tttgacaaac ccagcagcct cctaccaaca 480
acacatcatt ggtggtgccc tcttttagat tgcttattag ttgtaattca ataataaagt 540
tttttgatg atgtat 556

<210> 11642
<211> 638
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-F2
<400> 11642

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ctccttgccg ttcttgccgt ttttgccgagc gcaacaaatg cgttcattat tccacaatgc 120
tcacttgctc caagttccat tattacacag ttctctccac cagttacttc aatgggcttc 180
gaacacccag ctgtgcaagc ctataggcta caacaagcaa ttgcccgcag cgtcttacia 240
caaccaattt cccagttgca acaacaatgc ttggcacatc taacaatata aaccatcgca 300
acgcaacagc aacaacaatt cctaccagca ctgagccacc tagccatggt gaaccctgcc 360
gcctacttgc aacagcagtt gcttgcacaa aacccacttg ctctggcaaa cgtagtgtgca 420
aaccagccac aacaacagct gcaacagttt ctgccagcgc tcagtcaact agccatggtg 480
aaccctgccg cctacctaca acagcaacaa ctgctttcat ctagcccgcct cgctgtggcc 540
aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc tctgactcag 600
ctagtgtgtg caaacctgc tgnctacttg caacagct 638

<210> 11643
<211> 170
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-121-Q6-K6-F3

<400> 11643

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ctgctggaac tcccgtggt tatottgccg gagcccatg ctgctgcca tgttaccgac 120
ctagctgcag taagggcgcg attccattct tgacacacca tctgtctgct 170

<210> 11644

<211> 187

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F4

<400> 11644

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tgcattgcgtg cgcatacact agtattctgt gttgatccta cacttggtgc ctggtatagt 120
acacaacatt tgaaccgatg atggttgatc tgaactcaga ggagttaact agagaattgc 180
cacatgc 187

<210> 11645

<211> 494

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F5

<400> 11645

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gggccagtgc gtcgagtttc tgaggcatca gtgcagcccg acggcgacgc cctactgctc 120
gcctcagtgc cagtcgttgc ggcagcagtg ttgccagcag ctcaggcagg tggagccgca 180
gcaccggtac caggcgatct tcggcttggc cctccagtc atcctgcagc agcagccgca 240
aagcggccag gtcgcggggc tggtggcggc gcagatagcg cagcaactga cggcgatgtg 300
cggcctgcag cagccgactc catgccccta cgctgctgcc ggcgggtgtcc cccactgaag 360
aaactatgtg ctgtagtata gccgctggct agctagctag ttgagtcatt tagcggcgat 420
gattgagtaa taatgtgtca cgcattacca tgggtggcag tgtcagtgtg agcaatgacc 480
tgaatgaaca attg 494

<210> 11646
<211> 574
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-F6

<400> 11646

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gacccaaacc cacgaaaccc tcttgctcg ccgctgcttc ctcatcctcc cgccgcttag 120
tcccggaccc ggaccaacct tcgtgaggac ggggaattgga ctaaggggggt aggatgccgc 180
caaagaaagc ggcgccatcg aaggcggagc tggccaagaa gcagaaggtc gtggaggaca 240
agaccttcgg gctgaagaac aagaataaga gcaagaacgt ccaaagtag gtccagtccc 300
tgcaccaggc cgtccagccc aagcctgact cgaccaagac cgccgccaag aagaagaagg 360
aggaggagaa ggcgcgcgag aaggagctta atgatctgtt caaggttgcc gtcagccagc 420
ccaaggctccc tgttggtgtt gatcccaagt caatattgtg tgagttcttc aaggctggcc 480
agtgnccaga gggttttaag tgcaaattct ctcatgacct gaatgtccag aggaaggggtg 540
aaaagattga tatctataca gacaagcgtg atgc 574

<210> 11647
<211> 547
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-F7

<400> 11647

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aactcgtgct accagtgatc agccaagtag ctctggcaaa cttttctccc tactctcagc 120
aacaacaatt ttttcattc aaccaactgt ctacactgaa cctgctgct tatttacaac 180
aacaacaact actaccattc agccagctag ctactgccta ctctcagcag caacaatttc 240
ttccatttaa ccaattggcc gactgaacc cctctgctta tttccagcag caaatactac 300
taccatttgg ccagctagct acaacaagcc cacttcctt ttgaaacaa caacaattgc 360
ttccgttcta ccagcagttt gtggctaacc ccgcaaccct cttacaactg caacagttgc 420

tgccctttgt ccaacttget ttgacaaacc cagcagcctt ctaccaacaa cacatcattg 480
gcggtgccat ctttttagatt gcttattagt tgtaattcaa taatgaagtt ttttggtga 540
tgtatgt 547

<210> 11648
<211> 605
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-G1

<400> 11648

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at tt t t t g c t t c c t t a t g c t c c t t g g t c t t t c t g c a a g t g c t g c t a c c g c a a c c a t t t t c c c 120
a c a a t g c t c a c a a g c t c c t a t a g c t t c c t t t c t c c c c a t a c c t c t c a c c a g c g g t g t c 180
t t c a g t a t g t g a a a a c c c a a t t c t t c a a c c t a c a g g a t c c a a c a g g c a a t c g c a g c a g g 240
c a t c t t a c c t t t a t c a c c c t t g t t c c t c c a a c a a c c g t c a g c c t a t t a c a g c a g t t a c c 300
t t t g g t g c a t t t g t t g g c a c a a a c a t c a a g g c a c a a c t a c a a c a a c t t g t g c t a g g 360
a a a c c t t g c t g c c t a c t c t c a g c a a c a g c a g t t t c t t c c a t t c a a c c a a c t g g c t g c a t t 420
g a a c t c t g c t g c t t a t t t t g c a a c a c a a c t a c c a t t c a g t c a g c t a g c t g c t g c c t a c c c 480
c c a g c a a t t t c t t c c a t t c a a c c a a c t g g c a g c a t t g a a c t c t g c t g c t t a t t a c a a c a 540
g c a a c a g c t a c c a c c a t t c a g c c a g c t a g c t g a t g t g a g c c c t g t t g c c t t c t t g a c a c a 600
a c a a c 605

<210> 11649
<211> 604
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G10

<400> 11649

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t g c a a a t g a a g c t c c a a a t g a t a c t a t g a a g a t g g a c a c a g a t g a t g c a c a a g t g a t c c 120

tgctgttgca tctgatgtga atatgcagga gcctaaaagc gctgataccg ctgaggctgc 180
 tcatgcagct gaaaatggac cacaagatac tgaggaaaaa tctgttccga tggaaactga 240
 tgcaaagggt gagccgtcaa aaaagaaagt taagaaaatt actgttccgg tccatgagtt 300
 ggtctatggg gccttggctg cggctgacct gcagaaggct gtagagaaag agtatgagat 360
 ggctcttcaa gacagagtaa tggaagaaac aaaggagaag aagaatgctg ttgaagctta 420
 tgtgtatgac atgcgtaaca agctatatga caagtacagt gattttgtca cgtctgagga 480
 caaggaaggt ttgattgcta agcttcagga ggttgaagac tggctctatg aagatggcga 540
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 attg 604

<210> 11650

<211> 522

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G11

<400> 11650

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 caaggcctcc ttcaaccgcg gcctcctccg cgcgcgcgcg gaggtgtgcg aggactccat 180
 cccggggctc cgcctcgacg agctcgacat ctccgacctg cccatcatca acaccgacct 240
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 ggtctgccag gccgactgct tcctcttcgg cgcgcccagag tacaactact ccatcggcac 360
 cccctgaag aacgcgcttg actgggcctc tagaggaaag aactgttggg cagacaaacc 420
 tgctgcgacg gtgagtgcag gcggcggctt tggaggaggg aggtcgcagt accatcccc 480
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<210> 11651

<211> 540

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G12

<400> 11651

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gataggaatg agacagattg gaggcgacaa gatggagacg atgtggaact cacaattcta 180
gacgttgatc cctaccacta tggtagtaac aatgaggaga tgcttcttga tgacttgaag 240
gtatcacaag caatgacaaa gcattatgtg aaggtcacac ctacattcac catcgaggag 300
acaacaaggc ttatgcaaga gaagcagcaa agctgtgttg ttgttgtaga taatgaagat 360
tttcttgagg gaattgtaac attaggtgac cttcgtcgtg aaggatttgt gccaaagtga 420
aactctgata gtaccagggc aaattcatcg accgtggatg caaattcttc tcttgtgtca 480
tcgtgcctta ctcgaggttt tcagttccat ggcaatgaaa gaggtctggt gacctgcttt 540

<210> 11652

<211> 586

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G2

<400> 11652

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ttcaagaagg tcattggtga ggtcaagcag gcagagtctg cacctcctat tccgaaaaag 120
ctgctccttc taaggagcca aaggcaaagg atgtcaagaa ggaggctcca aaggaggccc 180
ccaagccaaa ggtggttgag gcaccagcag aagaggaagc accaaagcca aagccaaaga 240
atcctcttga cttgctgcca ccaagcaaga tggctcctga tgactggaag aggctatact 300
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ttgtgaccct gaacaaggtt ggtggattcc tgcagcggat ggacctgtgc cgcaagtacg 480
cctttgggaa gatgctcgtg ataggctctg agccaccctt caagctgaag ggcctttggc 540
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<210> 11653

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G3

<400> 11653

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ggctcggaca cgacagccac cgagctctca gtcacgaaa gcgtcttcaa gctgagagaa 480
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<210> 11654

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G4

<400> 11654

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cagcagagcg ccatgtcagc tgccggcggc aataacgtga aagcactcca tccttcatcc 240
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gcggggcaac tgactttcgg aacaatgccg acgcctttaa aaccgtcaag cgaccagaag 360
cctgctgccg gaaaataaac agtccagacg accatgcac ggagtggtaa acctgaactg 420
gtttttgcct gttcagcgga agcccaaata gcagaatcgc aacaacagta gcagcggcag 480
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<210> 11655

<211> 653

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G5

<400> 11655

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tgcttttagta tcaagtgttt cttgtacaca gacaggcggc tgcagctgtg gtcaacaaca 180
aagccatgag cagcaacatc atccacaaca acatcatcca caaaaacaac aacatcaacc 240
accaccacaa catcaccagc agcagcaaca ccaacaacaa caagttcaca tgcaacca 300
aaaacatcag caacaacaag aagttcatgt tcaacaacaa caacaacaac cgcagcacca 360
acaacaacaa caacaacaac agcaccaaca acaacatcaa tgtgaaggcc aacaacaaca 420
tcaccaacaa tcacaaggcc atgtgcaaca acacgaacag agccatgagc aacaccaagg 480
acagagccat gagcaacaac atcaacaaca attccagggt catgacaagc agcaacaacc 540
acaacagcct cagcaatatc agcaggggccc aggaaaaaat cacacagcaa ccatgtcatt 600
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<210> 11656

<211> 547

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G6

<400> 11656

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atcacccttg ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccattt 180
ggtggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc 240
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ttatttgcaa caacaattac cattcagcca gctagttgct gctaccccc agcaatttct 360

tccattcaac caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact 420
accattcagc cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt 480
gccgttctac ctgcacgcta tgccaaacgc tggcaccctc ttacaactgc acaattgct 540
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<210> 11657

<211> 582

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G7

<400> 11657

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aatgctcact tgctcctagt gccattattc cacagttcct cccaccagtt acttcaatgg 180
gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg gcgagcgtct 240
tacaacaacc aattgcccac ttgcaacaac aatccttgcc acatctaaca atacaagcca 300
tcacaacgca acagcaacaa cagttcctac cagcactgag ccacctagcc atggtgaacc 360
ctgccgcta cttgcaagag cagctgcttg catccaaccc acttgctctg gcgaacgtag 420
ttgcaaacca gcaacaacaa cagctacaac agtttctgcc aacgctcagt caactagcca 480
tgggtgaacc tgccgcttac gtacaacaac aacaactgct ttcattctagc ccgctcgtg 540
tgggcaatgc acctacatac ctgcaaaaac aattgttgca ac 582

<210> 11658

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-G8

<400> 11658

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cgccgtcacc agccgcttcg agccctgcgg cctcatccag ctgcagggga tgcgatacgg 180

aacgccctgc gcctgcgcgt ccaccggtgg actcgtcgac accatcatcg aaggcaagac 240
 cgggttccac atgggccgcc tcagcgtcga ctgtaacgtc gtggagccgg cggacgtcaa 300
 gaagggtggc accacattgc agcgcgccat caagggtggc ggcacgccgg cgtacgagga 360
 gatggtgagg aactgcatga tccaggatct ctctggaag ggccttgcca agaactggga 420
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<210> 11659

<211> 583

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-G9

<400> 11659

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 caatgctcac ttgctcctag tgccattatt ccacagttcc tccctccagt tacttcaatg 180
 ggcttcgaac acccagctgt gcaagcctac aggtacaac aagcgcttgc ggcgagcgtc 240
 ttacaacaac caattgccca attacaacaa caatccttgg cacatctaac catacaaacc 300
 atcgcaacgc aacagcaaca acaatttcta ccagcactga gccaaactagc tgtggtgaac 360
 cctgtcgect acttgcaaca gcagttgctt gcatccaacc cacttgctct ggcaaacata 420
 gttgcatacc aacaacaaca acaattgcaa cagtttctac cagcgctcag tcaactagcc 480
 atggtgaacc ctgccgncta cctacaacag caacaactga tttcatctag cctctcgtct 540
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<210> 11660

<211> 564

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-121-Q6-K6-H1

<400> 11660

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 gcttcccttc ttccccata cctctcacca ggggtgtctt caatgtgtga aacccaatt 180
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 ttctccaac aaccgtcagc cctattacag cagttacctt tgggtccattt ggtggcacia 300
 aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc atactctcag 360
 caacatcagt ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa 420
 caacaattac cattcagcca gctagttgct gctaccccc agcaatttct tccattcaac 480
 caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact accattcagc 540
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<210> 11661
 <211> 638
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-K6-H10
 <400> 11661

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 atgctcactt gctcctagtg ccattatacc acagttcctc cgaccagtta cttcaatggg 180
 cttcgaacac ctagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt 240
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 cgcaacacaa cagcaacaac agttcctacc agcactgagc caactagatg tgggtgaacc 360
 tgctgcctac ttgcaacagc aggtgcttgc atccaaccca cttgctctgg caaacgtagc 420
 tgcataccaa caacaacaac aattgcaaca gtttctgcca gcgctcagtc aactagccat 480
 ggtgaaccct gccgcctacc tacaacagca acaactgctt tcatctagcc ctctcgttgt 540
 gggtaatgca cctacatacc tgcaacaaca attgctgcaa cagattgtac cagctctgac 600
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<210> 11662
 <211> 627
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-121-Q6-K6-H11
 <400> 11662

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taccgaacgt tcgacaccaa ccgcgcggcg ctggttgggc tgtaccagga gacctccatg 180
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gacatgttcc gcctgaacta tggctaaaga caccgatac tcttgatgag aaggaattga 480
ttaagggttt catgttgaaa cgatgaatac ttaatgttgc cgctactctg ggctcttttg 540
tatcttcttt ggtggctgct tcaactgtatt acaagggtt gctagacttg gattatttca 600
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<210> 11663
 <211> 562
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-121-Q6-K6-H12
 <400> 11663

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aggcagatca ctctgaggtt gtgcctactg ttgggcgctg ccagcttgac cttgttggtg 180
gctgccactg ccagcaggag taagcacagc cagctcatgc ttcctaccgt tcttgagctc 240
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gatgtactgg aagccttctc cctgcgcctt ggtggcgacg aggtagccct ggggtacgat 420
gagcagctgc cccgcacgga gcacgtcgnc gaacaccgtg gtcccgttgt cgctggcgac 480
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ctggaccctt gcactgcccc tgatgcccgt acatggcgcg tgtgggcgtt tgaagttcca 540
gaacggggac atgatgggcg tc 562

<210> 11664

<211> 560

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H2

<400> 11664

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ttccccgtcc tcaacctcgt acagatgagc gcggtgcggg tagacctgta ccaggacgcc 180
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aactccgtcc tgagcgactt gccggccgcc gtcacgcca gtcgtatgc catctccatg 480
gaggaagctg cagagctcaa gaacggtagg aagcatgagc tggctgtgct tactcctgct 540
ggcagtgga gttaccaaca 560

<210> 11665

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H3

<400> 11665

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gcaagtcgtg ctctcttctt gacacagcaa cagttgctgc ctttctacia gcagtttgcg 180
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acaaaccag cagcctccta ccaacaacac atcattggtg gtgcctctt ttagattgat 300

tattagttgt aattcaataa taaagttttt tggatgatgt atgtggccaa ccagaaataa 360
gaagttacat ttccagattc taatgtg 387

<210> 11666
<211> 504
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-H4

<400> 11666

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<210> 11667
<211> 551
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-121-Q6-K6-H6

<400> 11667

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<210> 11668
 <211> 577
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H7

<400> 11668

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<210> 11669
 <211> 521
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H8

<400> 11669

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gccatcagtt gcccaaatat tcaaggtcca tagtgaagcc ttctttcggg ataatgagag 180
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<210> 11670

<211> 593

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-121-Q6-K6-H9

<400> 11670

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tcagtcaact agccatgggt aaccctgccg tctacctaca actactttca tctagcccg 540
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<210> 11671

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A1

<400> 11671

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tccactggca ggcaaccatc atgggtcctc ctgatagtcc atatgctgga ggtgttttct 240
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<210> 11672

<211> 684

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A10

<400> 11672

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aaaccagct cttcaaccat ataggcttca acaagcaatc gcagcaagca acataccttt 240
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tttgcagcag caaatactac taccatttag ccagctagct gcagcaaacc gtgcttcctt 600
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<210> 11673
 <211> 723
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A11

<400> 11673

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 atgcgcggag cgtggtagcc ggattctatc gccgtcgctt ccccttcgcc gctattttcc 180
 agtcgccggg atcagccgag ttggatctcg aggcataaag cgttgccggg gcccggcgag 240
 gatacgatgc ctgcggtgct cgccgcatac gctacccttc gagccgccgc tgccatcgcc 300
 tccggagact cctccttccc ctgttcccat cgtctcaagc atcgtttttag tagtagtaat 360
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 cggctctcac cttcgcatth cggttttggg ctggttgtgc tcgatccgag gcttactttg 480
 gctttgcggc ttctctcctt gtcgaagctt gttgtctgga ttcgacctgc agatcggaag 540
 gaaacaaggt ggtcattatc acctacaaga taagagaaat ttctctttgt aatttgngat 600
 caagcttgtg gattggacga accctcgtgg acttcagtgc tgaaagtgtt agcagcagat 660
 cagttctctg ccaaagcacc tgtttaaatn nctgttgtaa gcatgaccgt gcttgctggg 720
 aag 723

<210> 11674
 <211> 642
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A12

<400> 11674

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taaggcagta gccccagaac ctgggcaccc gaaacctagc ccaggtgacc accaacaggg 120
 tgcccatcag gctcaggagc aggaacacaa acgcgacgac gatcccaacg tggaactcga 180
 gcacaaaagc tccgggatac accctcgccg tctgtaccac aagggcggtt cccagcccga 240
 ccagcatggt gaacatgggg ccagcgaagc agccggcgac ggcgatcgta ggctgcccag 300
 ccttggccag cgccacgtcc ggcacgaggt cggccacgga gttccccac gccaggaccg 360
 tcatgccgag aatggcggga gggaagtcca tgatggctcc gaccgcggcg aggcagctca 420
 ggagctctcc ggccgtggtc gagatccaga agacgctcat gatgaaggag atgatgggtgc 480
 tcgcatggt ctctgtttcg ggggcttctt tctcgaggag gtagtgggag agggctaggc 540
 acaggctggc gaagagcacg acggaccata gaggggaagcg gacttgccggg aggaggaatc 600
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<210> 11675

<211> 697

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A2

<400> 11675

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 agtggcaaaa aggttgtgat ctctgcgcct gctgccacaa ttaaacaag tgagaaaact 120
 tcacttcttg acgctgttca agctgctgca aatgctgcac tggctgcaga aaagagagaa 180
 aaggagaagg caaaagagat taaattggcc tcaaaaaata gtctcatagc taataagaag 240
 aagatgagca atgtcctagc tatgtggaag caaaggaatc aagaagggca ggccgcacga 300
 attgtccttg atgacaaaga accagcaaat tctgatgata aatttagtca ttcacgtagt 360
 ggaactggat tctctttgaa aagcaagcca aattctgacc ttgaaaatgc tatgggcaat 420
 tctcttggcc aaggaatgac atcgactcaa acattggatt ctgttgtaaa gcctagacct 480
 gtcagtaaca gcttagggac tacagttatg ggtgtcataa gaggttctgc tagaggagtg 540
 atcaagtcag atactacgtt tcacgcatta tctgatgctg gtagcactga ttcccgacc 600
 actataacca caagagcaag tgggttaatg acaagttctg aggcacttat aactnctgca 660

cccttaaaac tgatgtgtct gccttagtct ctatact

697

<210> 11676

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-A3

<400> 11676

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ccnancgcn acnngcaaca acagcngcnn gcanccaacc cacnngcnnn ggcaaacgna 120

gcngcanacc aacaacaaca acagnngcaa cagnnnncngc cagcgcncag ncaachnagcc 180

angngngaacc ctatcgcta cctacaacag caacaacttc tttcatctag cccgctcgct 240

atgggcaatg cacctacata cctgcaacaa cagttgttgc aacaacagtt gctgcaacaa 300

attgtaccag ctcttactca gctagctgtg gcaaaccctg ctgcctactt gcaacaacta 360

cttcattca accaactgac tgtgtcgaac tctgtcgcgt acctacaaca gcgacaacag 420

ttacttaatc cactagcggg ggctaaccga ttggtcgctg ctttcttaca gcagcaacaa 480

ttgtgcat acaaccagtt ctctttgatg aaccctgcct tgtcgtggca gcaaccatc 540

gttggtggtg ccattcttta gattacatat gagatgtact cgataatggt gccctcatag 600

cggcatgtgt ttcttaaaaa taataaatat tgattgagat ttatctcgat ataa 654

<210> 11677

<211> 663

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-A5

<400> 11677

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aggaacagat gctactaaag gtgagttttt tttaaagaa agtgactcat gaattatata 120

ccaaatagca aatttaagtg tatagtatgt atttatatat gcttgcctc ataaatatat 180

aaagaaaaaa agaaacgacc ctcaaaacta atatagtata gtaatgtttc gtttcagtta 240

tagtatccgg attaatgctc taatattatc acacaaattg aggtgataaa ccaaggagat 300

agatgaaaac acatgcatgt gtatatata tttcttattc tcttaattcc aacttattat 360
 aaattatcct gacttttcgc attgggtttg ctttattaat ataatatgta tctagatata 420
 atctatatgt tagacataat gtatatatat ctactagggt tgtatagcaa aagcaattat 480
 ctagaatagc tatcacgact tataatttga aaatggaagg agtggtacat atataacttc 540
 ttcacttttg ttttactcaa gctttctaag gagttagggc agcactaaga attatgtgaa 600
 atatatattg cttcattcgt cctaaataca tggatatatat taaaagttca aattttcgcc 660
 cta 663

<210> 11678
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A6
 <400> 11678

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 tacccccagc aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta 120
 cagcggcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 180
 atacaaccac agttggtgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta 240
 caactgcaac aattgctgcc attcaaccaa cttgctttga caaaccagc agcgttctac 300
 caacaacca tcattggtgg tgccctctgt gagatttctt atgagttata gttcaataat 360
 aaagttgctt gtctg 375

<210> 11679
 <211> 624
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-079-01-K6-A7
 <400> 11679

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 aacccaaata cggaatcttc cccgtggatc ccaactctca cccgatctcc tcgatagggt 120

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tttccgtttt tgcctccaag gccgcgtctt ccaacaagat tcctcccctc ctctctccga 180
taacgctagc atccgccgcc gccggcgacg aatccggtgt tttgagtttc tgttgccagt 240
gcagccatgt ccatgttcaa caggatcttc ggggaagcca aggagcaggc caactccagt 300
gccttggcca ctctcgacaa gttaaagtga actcttgata tgctggagaa gaaagagaag 360
gtgctggaca aaaaagcagc cgctgagctt gagagagcca aggagtctc caaagctaag 420
aataaaagag cggctatcca atccttgaag agggaaaaaac tttatgaaca acaaattgag 480
caactcggaa attttcagtt gagaattcat gatcagatga tcatgttaga agcagctaaa 540
gctacaacag agactgttga tgcgttgaga actggagctg cagctatgaa agcaatgcaa 600
aaagcaacaa acattgatga tgtc 624

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<210>      11680
<211>      623
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3061-079-01-K6-A8

<400>      11680

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tctcagnttt tgaaatgata tcctaggaaa gttaaagtgt gtgcattcca tggcttgctg 60
gtctttgaca cgtgtggagt cggaccctcg ctctgtggaa gcttgctgca gcccggtagt 120
actatttgat tgggaacttt ntagggatcat atccctgttt tgttcccatg ccttgaaatt 180
gatggtncct catttttgtt ggggtgtgtga cacaaagtca taaaccgcga tgggaggggtg 240
ctttaagttg tgcgagcatg attgtcgggt ctttgaattt cttcttccaa atgtncgtct 300
tcacgcccac cgcggagggg tggtgaccga agagatagtg gcaaaggcgt cccttggtgg 360
ctctgctcct atctcgcgga ttgggctgac atgttactaa ggatgtatgt aagatgggga 420
gagaagcagc gttataagac acgagtagtt gagaaatcac ctggtgaaca ggccggtgta 480
aatcagcaa ctgttgaact agaggggaga tatgcttatg gctatctctc tggcgagaaa 540
gggacacaca ggattgttcg tcaatcacca tttaatgcta aagggtctcg gcagacaagc 600
tctgctcgtg ttgaggttat gcc 623

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<210>      11681
<211>      689

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<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-A9

<400> 11681

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gcctccttat gtccttgggt ctttctgcaa gtgctgctac ggcgaccatt ttcccgaat 120
gctcgcaagc tcctatagct tcccttcttc ccccgtagct ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caaccctaca ggatccaaca ggcaatcaca gctggcatct 240
tacctttatc acccttgttc ctccaacaat catcagccct attacatcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
ttgctgctta ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact 420
ctgcttctta tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc 480
agcaatttct tcattcaac caactggcag cattgaactc tcctgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac 600
cacagttgtt gccgttctac cagcacgctg cgctaaccg ctgcaccctc ttacactgca 660
acattgctgc cattcaccaa cttgctttg 689

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<210> 11682
 <211> 626
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B1

<400> 11682

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gtgaggaagt ctacacgctc gacggcggac ctgctgatct ggccggaggg ggcgccgag 180
gagtcgcccc ccggggccac gccgccatcc aaccgccggc cgcacagcc gtcggaggcg 240
ctcaggaagg tgggtgttcgg cgggcaggtg acggaggagg aggccgagag cctcaacaag 300
aggaaaccat gctctgctcc caagtggaag gagatgacag gaagcggcat atttgctgct 360

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gggggcgagg ctgaagaaga tgaatctgcc aatgcctctg caactcccat ccgaaccgct 420
 ccaaagaatt atcaggcaat tagcactata agccacatct cattttccga ggaagaaagc 480
 atttctccga agaagccgac ttcgatagca gaggtggcga agcagcgca gctgagcggc 540
 acacttctga gcgagnacga cagcaagatg aagaagcaga tatcggacct gaaatccaag 600
 nagctgnagc gccacgacat ctttgc 626

<210> 11683

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B10

<400> 11683

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 gctgcacgca agttcttttt cttctgtgat ccacacagac gggggaaagc atgcataaag 180
 aaagtgttgc tgagcaattg tcttcaggag ctaatggaac tacatcagga gagtgaggaa 240
 gaggtaaccg ataccgagca ggcagaaaac tggttttcct taacttcagc tcagcgcata 300
 tgtgacatgt ttcttgact agataaggat acgaacggta cactgagcaa acaagagctc 360
 aaggaatatg cagatggcac gttgactgag attttcattg aaagagtttt cgatgagcat 420
 gttcgccgga gcaaagtgg aggtggaaac agtcgtgaga tggactttga aagctttctt 480
 gattttgttt tggctctaga aaacaaagat acccctgaag gcttgacata tttatttagg 540
 tgccttgatc tcaatggaag gggtttcctt acaactgcag atattcatac tctattt 597

<210> 11684

<211> 646

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-B11

<400> 11684

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 ccatcgcgcc ctgcatctcc tacgcgcgcg gccagggctc ggggccctcc gccggctgct 240
 gcagcggcgt caggagcctc aacaacgcgc cccgcaccac cgccgaccgc cgcgcgcct 300
 gcaactgcct caagaacgcc gccgcggcg tcagcggcct caacgccggc aacgccgcca 360
 gcatccctc caagtgcggc gtcagcatcc cctacaccat cagcacctcc accgactgct 420
 ccaggtgaa ctgaacccta aacgacgacg acgggcgacg gcggccacct gaagacgatc 480
 catatctatc ccgccgtacg tcggcgcccg cggatcggac cgtcatgacc atatctagct 540
 acctacgat gatcgtcagc acttgcattgt ctactactgc tacgtgtact actactgaat 600
 aaaaaccctc tccgcgcacg tcgtccttgt gtttgtgtgt gtgttg 646

<210> 11685

<211> 556

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B3

<400> 11685

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 gcggggcggg gcgcccggcg ngccgccgcg gcggcgggcg agcccgaccg gccgcggcg 180
 cggcgccgcg gactccagcg agggcaccta caggggccggc acagggggcc agacgcgcac 240
 cgctggggca tggggngggac ttggcgggca cgtccggaag ctcgatcttg gcgacgctga 300
 atacgtcaag gaagtttctg aaacgtacgg cgcattcgaa agtgcgacta cccttacctc 360
 gtacaggatt gtcaccagca ccgccagagc ttggggggcca tggggcatca agagcggcac 420
 acgtttctgc atgaccgcgc ccatcggcag cagcatcgtg gaattctatg gacgcgcgaa 480
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 gcagaacggg tactac 556

<210> 11686

<211> 735

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B4

<400> 11686

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tgagcgcaac aaatgcgttc attattccac agtgctcact tgctcctagt gccattattc 180
cacagttcct cccaccagtt acttcaatgg gcttcgaaca tccagccgtg caagcctaca 240
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aatccttggc acatctaacc ctacaaacca ttgcaacgca acaacaacaa caacaacagt 360
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tgcttgcatc caaccactt gctctggcga acgtagctgc ataccagcaa caacaacagc 480
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aactactttc atctagcccg ctgcggtgg gcaatgcacc tacgtaccta caacaacagt 600
tgctgcaaca aattgtacca gctctgactc agctagctgt ggcaaaccct gctgcctact 660
tacaacagtt gtttccattc aaccaactgg ctgtgtcaaa ctctgctgcg tacctacaca 720
gcgacacagt tactt 735
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<210> 11687
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-B5

<400> 11687

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tatttgagc aacaactatt accatttagc cagctageta ctgcctactc tcagcaacaa 180
caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt gcagcagcaa 240
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cagttgctgc ctttctacaa gcagtttgcg gctaaccgca caaccctctt acaactacaa 360
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 atcattnggt ggtgccctct tttagattga ttattagttg taattcaata ataaagtttt 480
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 attggtctcc aaaggtgttc gataattact tttcctaaat tngngagtaa caagctntaa 600
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<210> 11688

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B6

<400> 11688

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 acccggcgga agccgcgccc gcggaagcgg acgatggcat cgaagtctgc tgcttcgaca 420
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<210> 11689

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B7

<400> 11689

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aagatattat ccttccttgc gcttcttgcg ctttttgcca gcgcaacaaa tgcgtccatt 120
attccacaat gtcacttgc tcctagttcc attattccac agttcctccc accagttact 180
tcaatggcct tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg 240
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caaaccatcg caacgcaaca gcaacaacag ttctaccag cactgagcca cctagccatg 360
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<210> 11690

<211> 601

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B8

<400> 11690

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tccctcaatg ctcaaacgct cctatagctt cccttcttcc ccatacctt ccatcaatta 180
tagcttcaat atgtgaaaac ccagctcttc aaccatatag gcttcaacaa gcaatcgag 240
caagcaacat acctttatcg cccttggtgt ttcaacaatc gccagcccta tctttggtgc 300
agtcattggt acaaaccatc agggcacaac agctgcagca actcgtgcta cctctgatca 360
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accaactgtc tacactgaac cctgctgctt atttgcagca acaactatta ccatttagcc 480
agctagctac tgctactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac 540

tgaacccccgc tgcttatattg cagcagcaaa tactactacc atttagccag ctagctgcag 600
c 601

<210> 11691

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-B9

<400> 11691

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ccctggccta ccacgccgcc acatcaagca tcttccggtt gttcaatcgc aaaaggtctt 180
ccgtgaacgt gatcgcgtca tcttccggcc tctctctcag tgccctcaca gtgcagtccc 240
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<210> 11692

<211> 342

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C1

<400> 11692

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 gggccggttt tgggggtccc aggtttcctc cccgggggttg gcacggtttt gctttttttt 240
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<210> 11693

<211> 518

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C10

<400> 11693

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 aaggagcaag gtcggggac atgatcatcg gatccgtaaa ggaggcccag cctcgtggca 180
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 ttgtgggaat gttttttttt gtgtgttctc tgtttgaata atgcattgtg aaacgatagc 480
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<210> 11694

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C11

<400> 11694

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 caacgggtgg gtctcctgcg ttaggttctc cccaaacacc ttccagcca ccattgtctc 600
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<210> 11695

<211> 724

<212> DNA

<213> Zea mays

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<400> 11695

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<210> 11696

<211> 678

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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<400> 11696

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gttgccgttc tacctgcacg ctgcgcctaa cgctggcacc ctcttacact gcacaattgc 660
tgccattcaa caacttgc 678

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<210> 11697
 <211> 500
 <212> DNA
 <213> Zea mays
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<400> 11697

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agttcaataa tgaagttttt tggatgatgt ttgtggcgct ccagaaataa gaaagtacat 180
ttctaaaaaa aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagga 240
aaaaaaaaaa ataaaaaaca aaaaaacaca aaaaaacaca cacaaaaact acttaagaac 300
aagacaactt gaaaaaaaaat ataccggcg gggcggtg catcactc aatgcgtcta 360

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gtccccgacc gcagaccctt aaacgttctt tgtgtgcacc acctaaaacc ataacctggt 420
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<210> 11698

<211> 526

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-C6

<400> 11698

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 caactaccat tcagccagct acctgctgcc tccccccagc aatttcttcc attcaaccaa 240
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<210> 11699

<211> 603

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C7

<400> 11699

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 caccacctg tgcaagccag cctgcaacac ccagcgctcg cggggagcgt gcgacaacaa 240
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caccagccac aacagtcacct accatcaatg acccacctaa ccatggtgaa ccctgccgctc 360
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<210> 11700

<211> 625

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C8

<400> 11700

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<210> 11701

<211> 650

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-C9

<400> 11701

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<210> 11702

<211> 615

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D1

<400> 11702

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<210> 11703
 <211> 609
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-079-01-K6-D11

 <400> 11703

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<210> 11704
 <211> 677
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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<210> 11705

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D5

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<210> 11706

<211> 688

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D6

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<210> 11707

<211> 139

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-D7

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<210> 11708

<211> 533

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-D8

<400> 11708

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<210> 11709

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-D9

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<210> 11710

<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E1

<400> 11710

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<210> 11711
<211> 709
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E10

<400> 11711

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cgtagttgca aaccagcaac aacaacagct acaacagttt ctgccaacgc tcagtcaact 480
agccatggtg aaccctgccg cctacgtaca acaacaacaa ctgctttcat ctagcccgct 540

cgctgtgggc aatgcaccta catacctgca acaacaattg ttgcaacaga ttgtaccagc 600
tctgactcaa ctagctgtgg caaacacctgt tgcctacttg caacagctgc ttccattcaa 660
ccaactgact ctgtcgaact ctgctgcgta cctacaacag cgacaacag 709

<210> 11712

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E11

<400> 11712

cgcgccgccc ccacagcaac ccttgcagcc ccaatcccc acggcgacca tggccggcgc 60
gcaggagtcc ctctccctgg tgggcacgat gcggggccat aacggcgagg tgacggcgat 120
cgcgaccccc atcgacaact cgcctttcat cgtctctcc tcccgggaca agtccgtgct 180
gggtgtgggac ctgaccaacc cgttccactc caccgccgaa tccggcgta cgcgcgacta 240
cgcggtcccc ttccgcccgc tcaccggcca ctccacttc gtccaggacg tcgtccttag 300
ttccgaaggc cagtctgcac tctctggctc ctgggaaggc gagctccgcc tttgggacct 360
ctccaccggc ctcaccacc gccgcttcgt cggccacgag aaggacgtca tctccgtcgc 420
cttctccgtc gacaaccgcc agatcgtctc cgcgtccgc gacaagacca tcaagctctg 480
gaacactctc ggcgagtga agtacaccat cgggcgcgac ctggcgggcg gcgaagggcc 540
acaacgggtg ggtctctgc gttagggttct ccccaaacac cttccagccc accattgtct 600
nncggatcct gngaccgcac cgtcaaggtc tggaacctta ccaactgcagc tgcgctgact 660
c 661

<210> 11713

<211> 701

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E2

<400> 11713

aagccttcan tgctcaagat tttaggagc atgtcagcaa gacgtccatc ttggatgact 60

tcgccttcta tgagagtcgc cagaagctga tgcaggataa gaggtcgaaa cagcagcagg 120
 tccaaaagca ggtctgggac agtaggaccc ccatttctgt cactggaagc gagcaacagc 180
 aggaagctgc taatgggaag cccaatccgt ctgtaccaa cgggtgtccct gcagaggtga 240
 agggggcgaa ggcttctgca gagaacggca ccgtcactcc agctatttcc tacgcggcaa 300
 aggtggccca agcagcaaca gagaaacctg tgctcgccaa cggagacgct aagaccggtt 360
 agctggaccg cccaaccgat gctccatagc tagccgcgag cgacggtcga cgtccccaag 420
 agctcgaccg aatcgctgta caagggaact ggtgaccaac caaggcaggc tgtggaactg 480
 ggcaggcatg gcgccttaga gcgttgcggc tccatctcgt cgctgctgga gagcagctgg 540
 ctagctgtta gcgttttccc tagtttctct ctctctctct gtcgctgtgt tccccgtttc 600
 agtttactta tagcccgaag attttctgta gtattggaat gccagagacc tttnngccga 660
 caagagaatt tgcgaagccg tctgctgggt gtgttgcgtc g 701

<210> 11714

<211> 664

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E3

<400> 11714

nncgtccgta aaaatcaatg accatagcag cagaagcggc gaaacttcca cccaccttc 60
 acctccttgc ttatatatac tcgccccgcc gccccggggc cggctccac ctcgctccag 120
 tctagacggc ggtttgactt tccgaccggg gaatcggcgc tgcgtttgat ttgaggaggc 180
 gacacgagac gggacgggag ggatctcttc gctggagcgt tgcccgattc gtcgcggttc 240
 tcggacaagg gagggagggc acacctcggg ctccgatcga agagctttgt taacattaga 300
 gattaaaagg tagcgccgta gcaaaatgaa ggcaccatca ctactggttc agtgtttccc 360
 tggcttgctt cccagcaagg ccactagttg cgtgccatt gtatctgaga aggatctgca 420
 gctaccatca ccagctgttg aaataatccc ctcaaagagt gttcatccat acaaatatgc 480
 tggagagaag gttgatgtgc aaggctctaa tattttcaag ggtaaaagtca gtgtagcaga 540
 tatgatagtt atctcgctt ctgaagtagc atcatcaaaa tatgatggaa ctctgaaaac 600
 tngagagatt ccattaccct tgcgacatt cttaaaaatg agatccgtga tgggcagttg 660

agct

664

<210> 11715

<211> 375

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E4

<400> 11715

ctcaggctcg ccaccgnggg gatgcatctg ccgngatacg cgctggcggg ggggcgtgag 60

cggatggaac gcggcggtgc tggaggcggc catggcggttc gggctcatgt acgcctactt 120

tgcgacggtg atggacaaag cgcggagggt ccgcgcgggc gccggagcgc tggcggcgcc 180

gctcgccgtg gggctcctgg cgggggctaa cgtgctggcc tgcggcgcg c tggaggcgcc 240

gtgatgaatc cgcgcgcgcg ttcgggcccgc ccgtcgtggg ctcccgtcgc tggagacacc 300

aatgggtgta ctgngtgggg cccatgggtc gcgcggcct ctccggcgtc gtctacgagc 360

acctcgtcgc cggcc 375

<210> 11716

<211> 690

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E5

<400> 11716

cgaatccagt agcaacaaca gagcaacaat ggcgaccaag atattttccc tccttatgct 60

ccttgctctt tctgcatgtg ttgctaacgc gacaattttc cctcaatgct cacaagctcc 120

tatagcttcc cttcttcccc cataccttcc atcaatgata gcttcagtat gtgaaaaccc 180

agctcttcag ccctataggc tccaacaagc aatcgcagca agcaacatac ctttatcacc 240

cttggtgttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag 300

ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac caagtagctc tggcaaacct 360

ttctccctac tctcagcaac aacaatttct tccattcaac caactgtcta cactgaaccc 420

tgctgcttat ttgcagcaac aactattacc attcagccag ctagctactg cctactctca 480

gcaacaacaa cttcttccat ttaaccaatt ggccgcactg aaccccgctg cttatttgca 540
gcagcaaata ctactaccat ttagccagct agctgcagca aaccgtgctt ccttcttgac 600
cagcaacagt tgctgccttt ctaccagcag tttgcggcta accccgcaac cctcttacac 660
tacaacaatt gttgccctnt gtccaactgc 690

<210> 11717

<211> 692

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E6

<400> 11717

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ctaccaagat attagccctc cttgcgcttc ttgccctttt agtgagcgca acaaatgcgt 120
tcattattcc acagtgtcga cttgtccta gtgccattat tccacagttc ctcccaccag 180
ttacttcaat gggcttcgaa catccagccg tgcaagccta caggctacaa ctagcgcttg 240
cggggagcgc cttacaacaa ccaattgccc aattgcaaca acaatccttg gcacatctaa 300
ccctacaaac cattgcaacg caacaacaac aacaacaaca gtttctgcca tcaactgagcc 360
acctagccgt ggtgaaccct gtcacctact tgcaacagca gctgcttgca tccaaccac 420
ttgctctggc gaacgtagct gcataccagc aacaacaaca gctgcaacag tttatgccag 480
tgctcagtca actagccatg gtgaaccctg ccgtctacct acaactactt tcctctagcc 540
cgctcgcggt gggcaatgca cctacgtacc tacaacaaca gttgctgcaa caaattgtac 600
cagctctgac tcagctagct gtggcaaacc ctgctgcta cttacaacag ttgcttncat 660
tcaaccactg gctgtgtcaa actttgctgc gt 692

<210> 11718

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E7

<400> 11718

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 ccctctttgc gcttcttgcc ctttttgtga ggcgaacaaa tgcgttcatt attccacaat 120
 gctcacttgc tcttagtgcc attattccac agttcctccc tccagttact tcaatgggct 180
 tcgaacaccc agctgtgcaa gcctacaggc tacaacaagc gcttgcggcg agcgtcttac 240
 aacaaccaat tgcccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg 300
 caacgcaaca gcaacaacaa tttctaccag cactgagcca actagctgtg gtgaaccctg 360
 tcgctactt gcaacagcag ttgcttgcac ccaaccact tgctctggca aacatagttg 420
 cataccaaca acaacaacaa ttgcaacagt ttctaccagc gctcagtcaa ctagccatgg 480
 tgaaccctgc cgctaccta caacagcaac aactgatttc atctagccct ctgctgtggt 540
 ttaatgcacc tacatacctg caacaacagt tgctgcaaca gattgtacca gctctgactc 600
 agctagctgt ggcaaaccct gctgcctac 629

<210> 11719

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-E8

<400> 11719

gcggttcatta ttccacaatg ctcaattgct cctagtgccca ttataccaca gttcctccga 60
 ccagttactt caatgggctt cgaacaccta gctgtgcaag cctacaggct acaacaagcg 120
 cttgcggcga gcgtcttaca acaaccaatt aaccaattgc aacaacaatc cttggcacat 180
 ctaaccatac aaaccatcgc aacacaacag caacaacagt tctaccagc actgagccaa 240
 ctagatgtgg tgaaccctgt cgctacttg caacagcagg tgcttgcac caaccactt 300
 gctctggcaa acgtagctgc ataccaacaa caacaacaat tgcaacagtt tctgccagcg 360
 ctcaagtaac tagccatggt gaaccctgcc gcctacctac aacagcaaca actgctttca 420
 tctagccctc tcgttgtggg taatgcacct acatacctgc aacaacaatt gctgcaacag 480
 attgtaccag ctctgactca gctagctgtg gcaaaccctg ctgctactt gcaacagctg 540
 cttccattca accaactgac tgtgtcgaac tctgctgcgt acctacaaca gcgacaacag 600
 ttacttaatc cactagcagt gcctaaccga ttggtcactg ccttctaca gcagcaacaa 660

ttgctaccat ac

672

<210> 11720

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-E9

<400> 11720

gagaccagca agcaacatag aaagtagaat ccattagcaa caatagagca acaatggcga 60

ccaagatatt ttccctcett atgtctcttg ctctttctac atgtgttgct aacgcgacaa 120

ttttccctca atgttcacaa gtcctatag ctcccttct tccccatac cttccatcaa 180

ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240

cagcaagcaa cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg 300

tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360

tcaaccaagt agctctggca aacctttct cctactctca gcaacaacaa tttcttccat 420

tcaaccaact gtctacactg aacctgctg cttatttgca gcaacaacta ttaccattta 480

gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540

cactgaaccc cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600

cagcaagtcg tgcttncttc ttgacacagc acagttgctg cttttctaca agcagtttg 659

<210> 11721

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F1

<400> 11721

nncatttcag ccatcacanc gcaccagcnn cancnntcc taccagcact gngccaccta 60

gccatggtga accctgccgc ctacttgcaa gagcagctgc ttgcatccaa cccacttgct 120

ctggcgaacg tagttgcaaa ccagcaacaa caacagctcc aacagtttct gccaacgctc 180

agtcaactag ccatggtgaa ccctgccgcc tacgtgcaac aacaacaact gctttcatct 240

agcccgctcg ctgtgggcaa tgcacctaca tacctgcaac aacaattgtt gcaacagatt 300
gtaccagctc tgactcaact agctgtggca aacctgttg cctacttgca acagctgctt 360
ccattcaacc aactgactct gtcgaactct gctgcgtagc tacaacagcg acaacagtta 420
cttaatccat tggtagtggc taaccattg gtcgcccgtt tctacagca gcaacaattg 480
ctgccataca accagttctc ttgatgaat cctgtcttgt cgaggcagca acccatcggt 540
ggaagtgcc tcttttagat tacatatgag atgtactcga taatggtgcc ctcataccga 600
cgtgtgtttc ctaggaataa tcaatatatt gat 633

<210> 11722

<211> 701

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F10

<400> 11722

attttgagca ttcagaacac accaagcgaa ggcactagc aacaacctaa caacaatggc 60
taccaagata ttatccctcc ttgcgcttct tgcgcttttt gcgagcgcaa caaatgcgtc 120
cattattcca caatgctcac ttgctcctag ttccattatt ccacagttcc tcccaccagt 180
tacttcaatg gccttcgaac acccagctgt gcaagcctat aggctacaac aagcgattgc 240
ggcgagcgtc ttacaacaac caattgcccc attgcaacaa caatccttgg cacatctaac 300
aatacaaacc atcgcaacgc aacagcaaca acagttccta ccagcactga gccacctagc 360
catggtgaac cctgtcgcct acttgcaaca gcagctgctt gcatccaacc cacttgctct 420
agcaaacgta gttgcaaacc agcaacaaca acaactgcaa cagtttctgc cagcgcttag 480
tcaactagcc atggtgaacc ctgccgccta cctacaacag caacaactgc tttcatctag 540
cccgctcgct gtggccaatg cacctacata cctgcaacaa gaattgttgc aacagattgt 600
accagctcta actcagctag ctgtggcaaa cctgttgcc tacttgcaac agctgcttcc 660
attcaaccaa ctaactatgt cgaactctgt tgcgtaccta c 701

<210> 11723

<211> 486

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-F11

<400> 11723

gttcgacctt gaggaactcc atccccaaat ctattgttta ttgccaagtg cgagaggcca 60
agcgctcgct gctcgatcac ttcttcaactg aactggggagc aagagagatg aagcaacttt 120
ccaagcttct cgacgaagat ccagcagtcg tggaacgcag aactaacctt gcaaagaggc 180
tggagctgta ccggagtgcc caatcggaaa tcgatgcagt cgcattggcc aaatagccct 240
gatggctaag atatctgttc ttacatgttc tttatccctc gtctggcgat tgtctccct 300
attctggggc atatatagct gatttttgtc tgtttaggt caggtcattc tatagattac 360
cgcagctgta cgggtgtcgt tagttgtgct tttgttctt gtacttgagg gtctagggga 420
caccaggctg ctgtacgctt gcatcacgga caagttcata aattgtgttt ttgttaccat 480
gcanna 486

<210> 11724

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F12

<400> 11724

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ctagccgtgg tgaaccctgt cacctacttg caacagcagc tgcttgcatc caaccactt 120
gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagt 180
ctcagtcaac tagccatggt gaaccctgcc gtctacctac aactactttc atctagccc 240
ctcgcggtgg gcaatgcacc tacgtacctc caacaacagt tgctgcaaca aattgtacca 300
gctctgactc agctagctgt ggcaaaccct gctgcctact tacaacagtt gcttccattc 360
aaccaactgg ctgtgtcaaa ctctgctgag tacctacaac agcgacaaca gttacttaat 420
ccattggcag tggctaacc attggtcgct accttctgc agcagcaaca acaattgctg 480
ccatacaacc agttctcttt gatgaacct gccttgagc aaccatcgt tggaggtgcc 540
atcttttaga ttacatatga gatgtactcg acaatgggtg cctcataccg acatgtgttt 600

cctagnaata atcaatatat tgattgagat ntatctcgat at

642

<210> 11725

<211> 600

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F2

<400> 11725

gccgcctccg nnncttctgc cgccgcagca gcagccgcng ccccggnnn accccacnca 60
accacdcag ctaagcccg gccagcagtt cggatcctgc ggcgtcggca gcgtcggcag 120
cccgttcctg ggccagtgcg tcgagttcct gaggcaccag tgcagcccg cggcgacgcc 180
ctacggctcg ccaaagtgcc aggcgctgca gcagcagtcg tgccaccaga tcaggcaggt 240
ggagccgctg caccggtacc aggcgacata cgggtgtggtc ctgcagtcct tcctgcagca 300
gcagccgcag ggcgagctcg cggcgctgat ggcggcccag gtagcgcagc agctgacggc 360
gatgtgcggc ctgcagctgc agcagccagg tccctgccct tgcaacgcag ctgccggcgg 420
tgtctactac tgaggaaact atgtactgta gtaataatgt aatggagccg ctgactagct 480
acctagctcg ctagtcttact catttagcgg cgatgagtaa cgtagtgtca cccatcacca 540
tggmntgcag tgtgagcaat gacctgaatg aaccattgaa atgnaaagna ataatatata 600

<210> 11726

<211> 700

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F3

<400> 11726

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aaaatttttg cctccttatg ctcccttggtc tttctgcaag tgctgctacg gcgaccattt 120
tcccacaatg ctcaaaagct cctatagctt ccttcttcc cccgtacctc tcaccagcgg 180
tgtcttcggt atgtgaaaac ccaattcttc aaccctatag gatccaacag gcaatcgag 240
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taccttttgggt gcattttattg gcacaaaaca tcaggggcaca acaactacaa caacttgtgc 360
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cattgaactc tgctttcttat ttgcaacaac aacaactacc attcagccag ctatctgctg 480
cctacccccca gcaatttctt ceattcaacc aactgacagc tttgaactct cctgcttatt 540
tacagcagca acaactacta ccattcagcc agctagcttg tgtgagccct gctaccttct 600
tgacacaacc acaattgttg ccgttctacc agcacgctgc gcctaaacgc tgcacctctc 660
tacaactgca caattgctgc cattcaacca acttgctttg 700

<210> 11727

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F5

<400> 11727

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tcctgccttc accggcattc ttgttttttt tccaggctg 99

<210> 11728

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-F6

<400> 11728

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cttcggatac cattgacaat gtcaaggcca agatccagga caaggagggc atcccacccg 120

accagcagcg cctcatcttc gccggcaagc agctggagga tggccgcacc ctggcggatt 180

acaacatcca gaaggagagc actctccacc tgggtgctccg cctcaggggt ggcatgcaga 240

tttttgtgaa gacattgact ggcaagacca tcaccttgga ggtggagagc tctgacacca 300

ttgacaatgt gaaggccaag atccaggaca aggagggcat tccccagac cagcagcgtc 360

tgatctttgc gggcaagcag ctggaggatg gccgcactct cgcggactac aacatccaga 420

aggagagcac ccttcacctt gttctccgcc tcagaggtgg tatgcagatc tttgtaaaga 480
 ccctgactgg aaaaaccata accctggagg ttgagagctc ggacaccatc gacaatgtga 540
 aggcgaagat ccaggacaag gagggcatcc ccccggaaca gcagcgtctg atcttcgccg 600
 gcaaacagct ggaggatggc cgcaccctag cagactacaa catccaaaag nagagcaccc 660
 tccaaccttg tgctcgtc 678

<210> 11729
 <211> 664
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-F7

<400> 11729

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 ctagtcttgt gcctaacaac ttcttaggaa tcaacattgt atgtccaaaa aaaacatttg 120
 gagcaaagca agggatcaaa gttgccaaat cgatcactgc tgtcatgcat gcacgctaga 180
 tatataaacg gttaacatgt ctgtgggatt cgaatcagag agaaacttgt ggaactggaa 240
 tcagataagc gataagtatt cgaaactgaa tcactttaca cgtatgtact gtgtggaaac 300
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 acgtggagta ctgtttcgtt ctattagctt aactttccag catttcgttt tgtatcatgt 420
 acaggtgtat atgggtatgtt agtaactgca tatgcgtttc tggtgtgtac gtagaaatta 480
 aaaaaagagg cttcagctat atacaataat ttcagaatct catccatgct tttagaatat 540
 accatgtaat aataataagt acaaatttta tcaactgtgta caggtgtatt gtatggtttt 600
 ggcaactgat cgattgcgtt tccatcgagc aaataaaaaa ggaaccttaa tatattactt 660
 gtgg 664

<210> 11730
 <211> 119
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G1

<400> 11730

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caataataaaa gttttttatc tgatgttagt ggcttcccag aataagaaag tcatttctg 119

<210> 11731
<211> 670
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G10

<400> 11731

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gtcttttctgc aagtgtgct acggcgacca ttttcccaca atgctcacia gctcctatag 120
cttcccttct tccccgtac ctctcaccaa cgggtgtctt ggtatgtgaa aaccaattc 180
ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
tcctccaaca atcatcagcc ctattacagc agttacctt ggtgcattta ttggcacaaa 300
acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420
aacaacaact accattcagc cagctatctg ctgcctaccc ccagcaattt cttccattca 480
accaactgac agcattgaac tctctgctt atttacagca gcaacaacta ctaccattca 540
gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 600
accagcacgc tgcgcctaaa cgctgcaccc tcttacaact gcaacaattg ctgccattca 660
accaacttgc 670

<210> 11732
<211> 678
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G11

<400> 11732

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tccttgggtct ttctgcaagt gctgctacgg cgaccatttt cccacaatgc tcacaagctc 120

ctatagcttc ccttcttccc ccgtacctct caccagcggg gtcttcggta tgtgaaaacc 180
 caattcttca accctatagg atccaacagg caatcgcagc tggcatctta cctttatcac 240
 ccttggttct ccaacaatca tcagccctat tacagcagtt acctttgggtg catttattgg 300
 cacaaaacat cagggcacia caactacaac aacttgtgct agcaaaccct gctgcctact 360
 ctcagcaaca acagtttctt ccattcaacc aactagctgc attgaactct gcttcttatt 420
 tgcaacaaca acaactacca ttcagccagc tatctgctgc ctacccccag caatttcttc 480
 cattcaacca actgacagct ttgaactctc ctgcttattt acagcagcaa caactactac 540
 cattcagcca gctagctggg gtgagccctg ctaccttctt gacacaacca caattgttgc 600
 cgttctacca gcacgctgcg cctaaacgct gcacccctctt acaactgcaa caattgctgc 660
 cattcaacca acttgctt 678

<210> 11733
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-G2
 <400> 11733

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 gcggtggcgg cggcggtac ggtggcgcg gtggctacgg tgggtggtgg ggcggctacg 120
 gcggtggcaa ccgtggcggc ggctacggca actccgacgg gaactggagg aactgagcgg 180
 tggggcccg cgggccaagt tatcctgttc gctaccgtga tgtttaccct agtccagagg 240
 gtttatcttc gttcgtctcg tttgttgtg cccatctgtg tttttgattg caaggctcgt 300
 ctgtgtcagt tgtagtgct gtgttcaccc tcggctccag cagacccatg catcaaccag 360
 catggactgt ggatcgatgg atgctgttac tcctgtcagg atttgttcta agttaatcct 420
 aaggaaaaaa tgggtgcttct tgggtgctgc 449

<210> 11734
 <211> 656
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G3

<400> 11734

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aagtggcaga cattgattga agcccatgtt gatgtcaaga caaccgaciaa ctacatgctg 120
cgtttgttct gcattggttt taccaagagg cgcccaaacc aggtcaagag aacctgctat 180
gctcaggcat cccagattcg gcagattcgc cgcaagatgg ttgagattat gatcaaccag 240
gcttctacat gtgaccttaa agaacttggt tctaagttca ttccggaagt tattggcaaa 300
gagattgaga agtctacctc cagcatcttc ccacttcaaa acgtcttcat ccgcaagggtg 360
aagatactca agggccccc aa gtttgatctc gggaagttga tggagggttca tggcgactac 420
aaagaggacg ttggtgtgaa gcttgagagg cctgtcgagg gtgatgaggc tatgcaggag 480
gttgctgctg ccgagtagtt tatttgctac ttctttatct agacgaatct ggacaggagg 540
tcccttatga cgcgaaacttc ataaaattgt ctggcgacat gttttcttct gtcctgccc 600
taaactctaa acccaaaggt tattcgtaac aagtgtttta agattaataaa anaaaa 656

<210> 11735

<211> 659

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G4

<400> 11735

caatctccca agacagtcct gatgtactac gccaatcttc tttctctgcc agagggctac 60
ttccacaagg tcatctgcaa cgtgccggag ttccgcaaca ccacagtcaa ccacgacctg 120
catttcattt cctgggaciaa cccaccgaag cagcaccctc actacctcac gctcgtgac 180
ttcgacggca tggttaacag caacgcgccc ttgcaagga agttcgggag agaagacccc 240
gtgctggaca agatcgacca ggagctactg ggccgcccgc ctgatgggtt tgtgcccggc 300
ggatggacgt atctactgaa tgcgacgagt gaggaaggga gacccttcgc cgttgagcgc 360
gtgcaggatc tccgcccagg gcctggtgtg gatagattga agaaactcgt cacgggcttg 420
ctcacacaag aaggctttga tgacaagcac tgctgtgag actgcccccc agtaagatga 480

ttctggctgg gggcggtaga ttacacggtc aaatctgagg gcattggagc cattttctgg 540
gaatatgcct actggctgaa gaagcacaca tagtatcatg tgatgtacgc gtggatgcaa 600
gaacggtaag ataggtgctc ttacgacaca ccgctgagt tgactactac cgacagcag 659

<210> 11736
<211> 524
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-G5
<400> 11736

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ggggcgcata actacaacaa cttgtgctag caaaccttgc tgctactct gagcaacagc 120
agttttctcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 180
aactaccatt cagccagcta cctgctgcct acccccagca atttcttcca ttcaaccaac 240
tggcagcatt gaactctect gcttatttac agcagcaaca actactacca ttcagccagc 300
tagctggtgt gagccctgct accttcttga tacaaccaca gttgttgccg ttctaccagc 360
acgctgcgcc taacgctggc accctcttac aactgcaaca attgctgcca ttcaaccaac 420
ttgctttgac aaaccagca gcgttctacc aacaacccat cattggtggt gccctctttt 480
agattttctta tgagttatag ttcaataata aagttttttg tctg 524

<210> 11737
<211> 617
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-079-01-K6-G7
<400> 11737

cttaccttta tcacccttgt tcctccaaca atcatcagcc ctattacatc agttaccttt 60
ggtgcattta ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa 120
ccttgctgcc tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa 180
ctctgcttct tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc 240
ccagcaattt cttccattca accaactggc agcattgaac tctcctgctt atttacagca 300

gcaacaacta ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgataca 360
 accacagttg ttgccgttct accagcacgc tgcgcctaac gctggcaccc tcttacaact 420
 gcaacaattg ctgccattca accaacttgc tttgacaaac ccagcagcgt tctaccaaca 480
 acccatcatt ggtggtgccc tcttttagat ttcttatgag ttatagttca ataataaagt 540
 tttttgtctg atgtttgtgg cttcccagaa ataagaaaag tcatttctag aaaaaaaaaa 600
 aatagggcgg ccggtct 617

<210> 11738

<211> 716

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-G8

<400> 11738

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 ctacggcgac cattttcccg caatgctcgc aagctcctat agcttccctt cttcccccg 180
 acctctcacc agcgggtgtct tcggtatgtg aaaacccaat tcttcaaccc tacaggatcc 240
 aacaggcaat cgcagctggc atcttacctt tatcaccctt gttcctccaa caatcatcag 300
 ccctattaca acagttacct ttggtgcatt tattggcaca aaacatcagg gcacaacaac 360
 tacaacaact tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat 420
 tcaaccaact aggttcattg aactctgctt cttatttgca acaacaacaa ctaccattca 480
 gccagctacc tgctgcctac cccagcaat ttcttccatt caaccaacta gcagcattga 540
 actctcctgc ttatttacag cagcaacaac tactaccatt cagccagcta gctggtgtga 600
 gccctgctac cttcttgaca caaccacagt tgttgccgtt ctaccagcac gttgcgccta 660
 acgctggcac cctcttataa ctgcaacaat tgctgccatt caaccaactt gctttg 716

<210> 11739

<211> 719

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-H1

<400> 11739

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cnggggtccc acaccatccg ggcgcggctg tcaccgggca cggcggttcgt ggtgcccgcg 120
ggccaccctg tcgtcgcggg ggcgtcccgg gacagcaacc tccagatcgt gtgcttcgag 180
gtccacgccg acaggaacga gaaggtgttc ctggccggcg ccgacaacgt gctgcagaag 240
ctcgaccggg tcgccaaggc gctgtcattc gcctccaagg cggaggagggt ggacgagggtg 300
ctcggtctgc ggcgcgagaa' ggggttcctt cctggcccca aggagagcgg cggccacgag 360
gagcggggagc aagaggagga ggaggaacgc gaagaacgcc acggcgggcg tggggagagg 420
gaacgccacg gacgtgagga gcgggagaaa gaggaggagg aacgcgaagg acgccacggc 480
cgcgggcgcc gcgaggagg ggcggagacg ctcatgagga tggttaccgc caggatgtga 540
ggccgcccgcg ctcgccaaaa cgagcaagaa gcaacaagag ggtggcgcg caccgacgtg 600
cgtacgtagc atgagcctga gtggagacgt tggacgtgta tgtatatacc tctctgcgtg 660
ttaactatgt acgtaagcgg gcagcagtgc aataagtgtg gctctgtagt atgtacgtg 719

<210> 11740

<211> 685

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-079-01-K6-H10

<400> 11740

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agagggattt caagggcaat acaaatatgg cgacaattca tttgaagcat ctgcttcacc 120
ttctggtgct agttattcaa aatgcaagga tgatgcagtg aaagctctta aggttgatga 180
agcatgcacc cacatgaagt gttcttttgg tggcatttgg aatggtggtg gtggtgctgg 240
acagaataat ctctttgtag catccttttt cttegatagg gctgctgagg ctggatttgt 300
gaacgccaat gcacctgttg ctaagggttaa accctcagac ttcagacaag ctgctgagcg 360
cgcttgctct ttgagtgtga agaacgccga ggctaccttt cctggtgtcc aaaaggataa 420

cattccatat atctgcatgg accttgttta tcagtacaca ttacttgtgc acggattcgg 480
 cgttgatcca gaccatgaga tgaccttggg aaagaaggtc ccctacagtg gtgcatatgt 540
 cgaagccgca tggcctcttg gcagtgccat cgagggtggca tcttcatcat agcaaggaga 600
 cacagtttag caaggtaaca tcggacggca ttgttgtcat gaaagtttag cgttgggagt 660
 ccccccccc ctgaccgctt actga 685

<210> 11741

<211> 78

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H11

<400> 11741

cgcccatcga ctacttcac cgcacctacg ggccaccta ctacatctgc cgcttcagg 60
 agcctgggtgt cgcagaga 78

<210> 11742

<211> 703

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H12

<400> 11742

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 atgggcttcg aacaccagc tgtgcaagcc tataggctac aacaagcgct tgcggcgagc 120
 gtcttagaac aaccaattgc ccaattacaa caacaatcct tggcacatct aaccatacaa 180
 accatcgcaa cgcagcagca acaagcactg agccacctag ccgtggtgaa ccctatcgcc 240
 tacttgcaac aacagctgct tgcattcaac ccacttgctt tggcaaacgt agctgcatac 300
 caacaacaac aacagttgca acagtttcta ccagcgctca gtcaactagc catggtgaac 360
 cctatcgctt acctacaaca gcaacaactt ctttcatcta gcccgctcgc tatgggcaat 420
 gcacctacat acctgcaaca acagttgttg caacaacagt tgctgcaaca aattgtacca 480
 gctcttactc agctagctgt ggcaaaccct gctgcctact tgcaacaact acttccattc 540
 aaccaactga ctgtgtcgaa ctctgctgctg tacctacaac agcgacaaca gttacttaat 600

ccactagcng tggctaacct attggctcgt gccttcctac agcagcaaca attgctgcca 660
tacaaccagt tctctttgat gaaccctgcc ttgtcgtggc agc 703

<210> 11743

<211> 693

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H2

<400> 11743

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ctatcatggc gctcatgggt ttttactaa tccagatctt tttcccgctg ggtaagatgt 120
ctgtgatgat ctacggcggg ttggcatcac ttatcttttg tggctacatc gtctatgaca 180
cggacaatgt catcaagcgc tacacctacg atgaatatat atgggctgct gtttctctct 240
acctcgacat catcaacctg ttactgtctc tgctgcagct gctgcaggca cccgatagct 300
gagcttggca agcttttact tggatctagc acttacatac atttgtgtat atcacaaact 360
ctgtaatgtt tatagatact ccaatttata actatactca actaggggct ttgtactcta 420
cttattattt gcaacaacaa caactaccat tcagccagct acctgctgcc taccctccagc 480
aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagctgggt tgagccctgc taccttcttg acacaaccac 600
agttgttgcc gttctaccag cacgttgccg ctaacgctgg caccctctta caactgcaac 660
tattgctgcc attcaaccaa cttgctttga caa 693

<210> 11744

<211> 671

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H4

<400> 11744

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ctgatcgttg cccttgctct cctggcgctc gctgcgagcg ccgcctccag tacaagcggc 120

ggctgtggct gccagacacc accgtttcat ctaccgcctc cgtttctatat gccgcctccg 180
 ttctatctgc cgccgcagca gcagccgcag ccatggcaat accccactca accaccgcag 240
 ctaagcccgt gccagcagtt cggatcctgc ggcgtcggca gcgtcggcag cccgttctctg 300
 ggccagtgcg tcgagttcct gaggcaccag tgcagcccgg cggcgacgcc ctacggctcg 360
 ccacagtgcc aggcgctgca gcagcagtg cgtccaccaga tcaggcaggt ggagccgctg 420
 caccggtacc aggcgacata cgggtgtggtc ctgcagtcct tcttcagca gcagccgcag 480
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 ctgcagctgc agcagccaga tccttgcctt tgcaacgcag ctgcggcgcg tgtctactac 600
 tgaggaaact atgtactgtc gtaataatgt aatggagccg ctgactagct acctataggg 660
 ctatagctag t 671

<210> 11745
 <211> 332
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-079-01-K6-H5

 <400> 11745

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 gtggcgcttg aggcgcgctg tctctcccc cgctgtcgag gctcgcgccc gctagaggtc 120
 cacgtcccc ccgcctcttg ttcacagaca ggcggttggt tctgtggtca acaccggggg 180
 cggggggggc gtcttcgtcc acagcaacat cttccactga atcagcaccg tcgaccacca 240
 ccacatcgtc accagcggt gctgcactct ttccagcatg ttccggtgct tcttccctca 300
 cgtccgcctc gctcgatgt tctgttcca ca 332

<210> 11746
 <211> 591
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-079-01-K6-H6

 <400> 11746

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ataaaattac cgatcggtac ttaactacac acgcaagcaa ttagttcatg cgcttattag 120
 gttgtgccac tggccaccac tacactacat tacactagca caagcaagca gctacacata 180
 cttgtccata tcacataaac gaaacagcat atataagaag atgtcccaac atctttgcac 240
 cacgcgcgag atcagggggc ctgcaggccg aactcttcag ggcgcggcca cgttctcctt 300
 ggcgagcggc gcgatctcct cgccttcgac ccctggctcg ccgcggcgga ccccgaggct 360
 gaacagcagc ttctcccagt tcttgacagg gcccttcag gagagatcct ggatcatgca 420
 gttcctaacc atttcctcgt acgccggcgt gccgaccacc ttgatggcgc gctgcaatgt 480
 ggtggccacc ttcttgacgt ccggcggctc cacgacgtta cagtcgacgc tgaggcggcc 540
 catgtagaac ccggtcttgc cttcgatgat ggtgtctacg agtccaccgg t 591

<210> 11747

<211> 674

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-079-01-K6-H7

<400> 11747

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 cgcaagctcc tatagcttcc cttcttcccc cgtacctctc accagcgggtg tcttcggtat 180
 gtgaaaaccc aattcttcaa ccttacagga tccaacaggc aatcgcagct ggcacattac 240
 ctttatcacc cttgttctc caacaatcat cagccctatt acaacagtta cctttggtgc 300
 atttattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
 ctgcctactc tcagcaacag cagtttcttc cattcaacca actaggttca ttgaactctg 420
 cttcttattt gcaacaacaa caactaccat tcagccagct acctgctgcc tacccccagc 480
 aatttcttcc attcaaccaa ctagcagcat tgaactctcc tgcttattta cagcagcaac 540
 aactactacc attcagccag ctagctggtg tgagccctgc taccttcttg acacaaccac 600
 agttgttgcc gttctaccag cacgttgcg ctaacgctgg caccctctta caactgcaac 660
 aattgctgcc attc 674

<210> 11748

<211> 56

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H8

<400> 11748

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<210> 11749

<211> 696

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-079-01-K6-H9

<400> 11749

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ctcacaagct cctatagctt cccttcttcc ccatacctt ccatcaatta tagcttcaat 180

atgtgaaaac ccagctcttc aaccatatag gcttcaacaa gcaatcgcag caagcaacat 240

acctttatcg cccttggtgt ttcaacaatc gccagcccta tctttggtgc agtcattggt 300

acaaaccatc agggcacaac agctgcagca actcgtgcta cctctgatca accaagtagc 360

tctggcaaac ctttctccct actctcagca acaacaattt cttccattca accaactgtc 420

tacactgaac cctgctgctt atttgcagca acaactatta ccatttagcc agctagctac 480

tgctactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac tgaaccccg 540

tgcttatttg cagcagcaaa tactactacc atttagccag ctagctgcag caaacctgtc 600

ttccttcttg acacagcaac agttgctgcc tttctaccag cagtttgagg ctaaccccg 660

aacctctta cactacaaca attgttgccc tttgtc 696

<210> 11750

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A1

<400> 11750

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cacagttggt gccgttctac cagcacgctg cgcctaacgc tggcaccctc ttacaactge 180
aacaattgct gccattcaac caacttgctt tgacaaacct agcagtgttc taccaacaac 240
ccatcattgg tggcgccctc ttttagattt cttatgagtt atagttcaat aataaagtcc 300
tttgactgat gtttgtggct tcccagaaat aagaaagtac attggtcgat tctaaataaa 360
aataacaaat tcacaaaaaa cgcaggtgta cccaaacttg caacaccaga aggagctggt 420
gtagtccatc taacaattgc atacttttgc tttgtacgtc aatattctat gggccatgaa 480
tacattttct gttaagtaca atgggtcaatg ttcacacttc actcgtgggt tcattgttga 540
tgagaaaaaa atnanagact gtaatatgtg tacattgtat ttnggtatgg nctattattt 600
gtatgcccat ggggtgtggt actacctgct g 631

<210> 11751

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A10

<400> 11751

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gttgtgctat cctggtgcat tcaacatgac tactggacgc actgcattgg gagttgctgc 180
aaagggcgag ggctgcagac aatcagctgt ttgttgcaac atgcgctcca gctcgagata 240
ccagtgcagg ctatgttgct tggggacact ccactcttgt tggacctttc ggagagggtga 300
ttgctacaac ggagcatgag gaggcgacca taatagcaga tattgactac tcactgattg 360
agcagaggag gcaatttctt cctctgcaac accagcggcg tggcgatctc tatcagctgg 420
tagatgtcca gagactgggt tctcagtagc gagcctggat gcggctgtgt gcccgctctg 480
caggcttgct cgtcctactt cgttcatgag atgcatgtct ctgggtttct tgagatcgg 540

caacatgatg agtgaaggcc gcgaggacgc aataaggcga ctgtcgttgt accttca 597

<210> 11752

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A11

<400> 11752

cccagctctt caaccatata ggcttcaaca agcaatcgca gcaagcaaca tacctttatc 60

gcccttggtg tttcaacaat caccagccct atctttggtg cagtcattgg taaaaacct 120

cagggcacaa cagctgcagc aactcgtgct acctgtgatc aaccaagtag ctctggcaaa 180

cctttctccc tactctcagc aacaacaatt tcttccattc aaccaactgt ctacactgaa 240

ccctgctgct tatttgagc aacaactatt accatttagc cagctagcta ctgcctactc 300

tcagcaacaa caacttcttc catttaacca attggccgca ctgaaccccg ctgcttattt 360

gcagcagcaa atactactgc catttagcga gctagctgca gcaagtcgtg cttccttctt 420

gacacagcaa cagttgctgc ctttctacaa gcagtttgcg gctaaccccg caaccctctt 480

acaactacaa caattgttgc cctttgtcca acttgctttg acaaaccag cagcctccta 540

ccaacaacac atcatnnggt ggtgccctct tttagattga ttattagttg taattcaata 600

ataaagtttt ttggatgatg tatgtggcca accagaaata agaagntaca tttccagatt 660

ctaattgtgaa a 671

<210> 11753

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A12

<400> 11753

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tgatataggg ttctagacca aagaagcaat ggaaaaggaa tcattctgcca catacgagcc 120

aaaaaggaac agtgaaataa gggtttttga gagttcagat gagatttcaa cggatcttgc 180

tgagtatatc tcacaagttt cagaaatttc tgtcaaagaa aggggatact ttgccatcgc 240

cttatctgga ggtcccctag tcagtttttt ggggaaactt tgtgaagctc catacaacaa 300
 gacactggat tgggccaaat ggtacatctt ctggtctgat gaacgtgctg tggcaaaaaa 360
 ccatgcagag agtaactata ggttaacaaa agaaggattc ctgcccaagg tacctattct 420
 gaatggccat gtctactcca taaatgacaa tgccacagtg gaggatgcag caacagacta 480
 tgaattcatg atcaggcagc tggttaaggt ccgcacaata ggagtctcag agagaaacga 540
 ctgtcccaag ttcgatctca tctttctcac catgggctcc gatgggcatg tggcctcgct 600
 tttcccgaaac accctgccat ggagctgaaa gagact 636

<210> 11754
 <211> 648
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-A2
 <400> 11754

gagaccagca agcaacatag aaagtagaat ccattagcaa caatagagca acaatggcga 60
 ccaagatatt ttccctcctt atgctccttg ctctttctac atgtgttgct aacgcgacaa 120
 ttttccctca atgctcacia gctcctatag cttcccttct tccccatac cttccatcaa 180
 ttatagcttc agtatgtgaa aaccagctc ttcaaccata taggcttcaa caagcaatcg 240
 cagcaagcaa cataccttta tcgcccttgt tgtttcaaca atcaccagcc ctatctttgg 300
 tgcagtcatt ggtacaaacc atcagggcac aacagctgca gcaactcgtg ctacctgtga 360
 tcaaccaagt agctctggca aacctttctc cctactctca gcaacaacaa tttcttccat 420
 tcaaccaact gtctacactg aaccctgctg cttatttgca gcaacaacta ttaccattta 480
 gccagctagc tactgcctac tctcagcaac aacaacttct tccatttaac caattggccg 540
 cactgaaccc cgctgcttat ttgcagcagc aaatactact gccatttagc gagctagctg 600
 cagcaagtcg tgcttccttc ttgacacagc acagttgctg cctttcta 648

<210> 11755
 <211> 700
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A3

<400> 11755

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gtggagtctt cagacaccat cgacaacgtc aaggccaaga tccaggacaa ggagggcatt 120
ccccagacc agcagcggct catctttgct ggaaagcagc ttgaggacgg gcgcacgctt 180
gccgactaca acatccagaa ggagagcacc ctccacttgg tgctgcgcct caggggagggc 240
atgcagatct tcgtgaagac cctgaccggc aagactatca cctcgagggt ggagtcttca 300
gacaccatcg acaatgtcaa ggccaagatc caggacaagg agggcatccc accggacacg 360
cagcgtttga tcttcgctgg caagcagctg gaggatggcc gcacccttgc ggattacaac 420
atccagaagg agagcacctt ccacctggtg ctccgtctca ggggtggtat gcagatcttt 480
gtgaagacac tctactggcaa gacaatcacc cttgaggtgg agtcttcgga taccattgac 540
aatgtcaagg ccaagatcca ggacaaggag ggcattccac ccgaccagca gcgcctcatc 600
ttcgccggca agcagctgga ggatggccgc accctggcgg attacaacat ccagaangag 660
agcactctcc nacctgtgct ccngtcagg ggtggcatgc 700

<210> 11756

<211> 677

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-A4

<400> 11756

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agagctagca gagcggcagg cacctccctc ctcaaggaac atggcccgcga cgcagcagtt 120
ggcagtagtg gcgaccgccg tgggtggcctt ggtgctgctg gcggcgggcg cgacctcgga 180
ggcggccatc agctgcgggc aggtggcgtc ggccatcgcg ccttgcattt cctacgcgcg 240
cggccagggc tcggggccct ccgccggctg ctgcagcggc gtcaggagcc tcaacaacgc 300
cgcccgcacc accgccgacc gccgcgccgc ctgcaactgc ctcaagaacg ccgccgccgg 360
cgtcagcggc ctcaacgccg gcaacgccgc cagcatcccc tccaagtgcg gcgtcagcat 420
cccctacacc atcagcacct ccaccgactg ctccaggggtg aactgaaccc taaacgacga 480

cgacggggcga cggcgggccac ctgaagacga tccatatcta tcccggcgta cgtcggcgcc 540
 cgcgggatcgg accgtcatga ccatatctag ctacctacgc atgatcgtca cgacttgcac 600
 gtctactact gctacgtgta ctactactga ataaaaacct ctncgcgcac gtcgtccttg 660
 tgtttgtgtg tgtgttg 677

<210> 11757

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A5

<400> 11757

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 cgaggctcaa gtactgggcg caggcgggtg cgtgcaccgt caggctctgc agctagctga 120
 tcaacggcgt ggcagtggcg gtggcgggtg cgggtggcgcc accatcaatc aatcttggca 180
 caagagatga gagttgagac gagcacgcaa gaagggaaat ccattccgtc tccgcccagc 240
 cagcacaggg catctggttg tggcataca ggcaggaacc gtggcaccac cgccggacca 300
 accagccagc cagccgtcaa agttcaacgt aaacgaacac agacaggagc atcgtcccat 360
 tcccatacat gcgctccatc cagatcaaga tggcctggac tagcatcgta gcgtcaccat 420
 ggccagcatt catccgtcag gagcacacag gagtcgtgaa ttccaatttc gctccaagat 480
 tttgcttgag atatgtggta gggacggaag gaggagggag aatcgcgtag ttaattccat 540
 gccgtccttt atgttttttt tttttttttt gtctctgttc aagctttgac atgatacaat 600
 ctgccggcta gctgccacca ccttgccttt gccttaccgg ggaggcttaa t 651

<210> 11758

<211> 616

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A6

<400> 11758

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 aaccacttg ctttggcaaa cgtagctgca taccaacaac aacaacagtt gcaacagttt 120

ctaccagegc tcagtcaact agccatggtg aaccctatcg cctacctaca acagcaacaa 180
 cttcttttcat ctageccgct cgctatgggc aatgcaccta catacctgca acaacagttg 240
 ttgcaacaac agttgctgca acaaattgta ccagctctta ctcagctagc tgtggcaaac 300
 cctgctgcct acttgcaaca actacttcca ttcaaccaac tgactgtgtc gaactctgct 360
 gcgtacctac aacagcgaca acagttactt aatccactag cgggtggctaa cccattggtc 420
 gctgccttcc tacagcagca acaattgctg ccatacaacc agttctcttt gatgaaccct 480
 gccttgctgt ggcagcaacc catcggtggt ggtgccatct tttagattac atatgagatg 540
 tactcgataa tgggtgccctc atagcggcat gtgtttccta aaaataatca atatattgat 600
 tgagatttat ctcgat 616

<210> 11759

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-A7

<400> 11759

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 cggtttctgt ggtgagcgga tcgagatggc ggcgtcggat gttgagtacc gctgcttcgt 120
 cggcggcctc gcctgggcca cggacgacca ctccctccac aacgccttca gcacctacgg 180
 cgaggtcttc gagtccaaga tcctctcga tcgggagacg cagaggtccc gcggttcggt 240
 ctctgtcacc ttctccacgg aggaggcgat gcggaacgcc atcgagggca tgaacggcaa 300
 ggagctggac ggccgcaaca tcaccgtcaa cgaggcccag tcccgcggtg gccgtggagg 360
 cggcggcggtc ggccgggtac gtggtggccg tggaggcggtc ggctacggcg gtggcggtcg 420
 ccgtgatggc ggccggcggt acggcggtgg cggcggttac ggtggtggcg gcggcggtta 480
 cgggtggtgt ggccggcggt acggcggtgg caaccgtggc ggccggctac gcaactccga 540
 cgggaactgg aggaactgag cgggtggggc cgccgggcca aattatctg ttcgctaccg 600
 tgttgtttac cctagtccag agtgtttatc ttc 633

<210> 11760

<211> 521

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-A8
 <400> 11760

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 ttgttccgcc gttccttcca ccggctcctt cattgggggg gggggcgggc cgctgctgct 180
 gcctctcgcc tcccttctgc gggtgcggcg agcgtcttac agcctccaat tgcccgattg 240
 gctcagctgt ccttggcgca tctgacagtt cggaccatcg cagcgcacgc gcgaccgctg 300
 ttctaccag cactgagctc ccttgccctg gtgaaccctg tcgccttctt gcagcttcgg 360
 ctggttgcat cctaccact tgctgtctgc aacgtggttg cgaaccagct ccgtcggctg 420
 ctgcgacagt tctgccagt gcttagttcc ctggtcctgg tgaaccctgc cggttgccta 480
 cggccgcttc ctctgctctc atgtagccgc cttgctgtgg c 521

<210> 11761
 <211> 700
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-A9
 <400> 11761

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 ctccctggtc ggtcgatcgc gaggatgacg ccggcgagcg tggtcgccgc gccaggagc 120
 gtcggggcgt tgcccttggc ggcgttcccg gcgcccgcga gggccggggg gcggaggaac 180
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 ggggtgccgc gggcgacggc cacgagcgc gccgggtgcg ccgtggcggc cctcgtcaag 360
 gccgtggagg ccgtccaggc cgcggcgcc gggggcgccg cggaggccgc gcgcggcgcc 420
 ggggacgccg tggcgtgggt gttcagcaag gtccacctcc agtcgcccga cctcgccgctc 480
 gggctgctcg ggatggctgc ctgctgcctc ggcacgatcg tggaggcgga gaggtgccgc 540

gtggaggcga ggaagcccgga ggcggcgccg gcgggcaacg cgggggccga cgcggccgac 600
 ggcaacgggg ccccgcgga ggagaatcga gaccacgaca tgccgcannc tgtggaggcn 660
 gatgtggaga atgcgctgtg ggcccagatc ggcattctgc 700

<210> 11762

<211> 672

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-B1

<400> 11762

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 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtagt 180
 tgaaaaccca attcttcaac cctataggat ccaacaggca atcgcagctg gcatcttacc 240
 tttatcacc ttgttctctc aacaatcatc agccctatta cagcagttac ctttggtagc 300
 tttattggca caaacatca gggcacaaca actacaaca cttgtgctag caaaccttgc 360
 tgctactct cagcaacaac agtttcttcc attcaacca ctagctgcat tgaactctgc 420
 ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
 atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
 actactacca ttcagccagc tagctgggtg gagccctgct accttcttga cacaaccaca 600
 attgttgccg ttctaccagc acgctgcgcc taacgctggc acctcttac actgcaacat 660
 tgctgccatt ca 672

<210> 11763

<211> 655

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B10

<400> 11763

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 tctgcaagtg ctgctacggc gaccattttc ccgcaatgct cgcaagctcc tatagcttcc 120

cttcttcccc cgtacctctc accagcgggtg tcttcgggtat gtgaaaaccc aattcttcaa 180
 ccctacagga tccaacaggc aatcacagct ggcattcttac ctttatcacc cttgttctctc 240
 caacaatcat cagccctatt acatcagtta cctttgggtgc atttattggc acaaaacatc 300
 agggcacaac aactacaaca acttgtgcta gcaaaccctg ctgcctactc tcagcaacag 360
 cagttttcttc cattcaacca actagctgca ttgaactctg cttcttattt gcaacaacaa 420
 caactaccat tcagccagct acctgctgcc taccgccagc aatttcttcc attcaaccaa 480
 ctggcagcat tgaactctcc tgcttattta cagcagcaac aactactacc attcagccag 540
 ctagctgggtg tgagccctgc taccttcttg atacaaccac agttgttgcc gatctaccag 600
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<210> 11764
 <211> 508
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-B11

 <400> 11764

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 ctacttcggc ggcagctggg tttgtcttgc cctctcgtg tggttggtgc tcttctttc 120
 ctgcgtcctc tggtgctgct cctgattgtc cccgctctga ctcagcttgc tgtggcaaac 180
 cctgctgtgt ggggtgggggc agctgcttcc attcaaccaa ctgactgtgt cgtactctgc 240
 tgcgttctta catcagcgac ttctgttact taatccacta gcggtggcta acccattggg 300
 cgtgccttc ctacagcagc aacaattgct gccatacaac cagttctctt tgatgaacct 360
 tgccttggtg tggcagcaac ccatcgttgg aggtgccatc ttttagatta catatgagat 420
 gtactcgtta atggtgccct catagcggca tgtgtttcct agaaataatc aatatattgn 480
 ttgagattta tctcgatata tttctgag 508

<210> 11765
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B2

<400> 11765

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cattgagcct gtagtgggca gttcctggag gagaattcta ctgttctttt ttgtttttcc 180
ggacatctac acggatagac agtagggatt gtttgtgtga agcacggttg gcttatgccg 240
agatttagca ctggtagatg tttctatttg ttttggaaat gctatagaaa catgtgagga 300
ttcaacaatg atacgctctg ttaagtttgt tgtgt 335

<210> 11766

<211> 700

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B3

<400> 11766

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tgccccctgcg cggggctgca gggcttgtac ggcgctggcg ccggcctgac gacgatgatg 180
ggcgccggcg ggctgtaccc ctacgcggag tacctgaggc agccgcagtg cagcccgtg 240
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caacagtgtc gccagcagca gatgaggatg atggacgtgc agtccgtcgc gcagcagctg 360
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ctgatgcagc agcagcagca gctgctggca gcccagggtc tcaaccccat ggccatgatg 480
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taccgcacca acccctgtgg cgtctccgct gccattccgc cctactactg attcatgata 600
tttgggaaat ctctctatc catccctctc tatctatata tgtaataatg cagtaagacg 660
acacacatta tcatgtgtgg tatgaccaat atatatgcat 700

<210> 11767

<211> 608

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B4

<400> 11767

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cagcagttac ctttgggtcca tttgggtggca caaaacatca gggcacaaca actacaacaa 120
cttgtgctag caaaccttgc tgcatactct cagcaacatc agttttcttc atgcaaccaa 180
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ttcttgacac aacaacagtt gttgccgttc tacctgcacg ctatgcctaa cgctggcacc 420
ctettacaac tgcaacaatt gctgccattc aaccaacttg ctttgacaaa ctcaacagtg 480
ttctaccaac aacctcatc tgggtgggtgcc ctctttttaga ttgcttatga gttatagttc 540
aataatgaag ttttttggat gatgtttgtg gcgtcccaga aatagaagta catttctaga 600
ttcttatg 608

<210> 11768

<211> 673

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B5

<400> 11768

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caatgctcgc aagctcctat agcttccctt ctcccccggt acctctcacc agcgggtgtct 180
tcgggtatgtg aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cgcagctggc 240
atcttacctt tatcaccctt gttcctccaa caatcatcag ccttattaca acagttacct 300
ttggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact aggttcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgctgcctac 480

ccccagcaat ttcttccatt caaccaacta gcagcattga actctcctgc ttattttacag 540
cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
caaccacagt tgttgccgtt ctaccagcac gttgcgccta acgctggcac cctcttacac 660
tgcaacattg ctg 673

<210> 11769
<211> 673
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-B6

<400> 11769

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ccgagttccc cgctagtgcg ttctcccgac gccgctgcgc cgctctgccc agcggagttc 120
accaagctca ctttccgtag cctgtacatc cgtcggacag gtccaggcag ccgggagatg 180
actgtggacg ggaggccgtc tgaccagctg ggacgacggt tcgtgagcga ctttcccata 240
tacgatggcc gtggctccgg cgccacctc gtcgctcgtc tgcagggagt cactgtccaa 300
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gacgggaact ctgatgagct taccagcatc gaagttttct gcccggcgtt tggctcggca 540
caacaacagc caaacaagca ggactccgtc tctgtcacca agattgggggt atggggtgga 600
ggtggagggt cggcgagga catcacgacg acggagccac cacagcgtct gcacagcctc 660
tccgttcgaa ctg 673

<210> 11770
<211> 152
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-B7

<400> 11770

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 tatgtctcctt ggtgtttctg cgcgtgctgc tgcggcggcc gttttccgc tgtgctgtca 120
 ggctgctatg gctgccctgg ttgccccgcg cc 152

<210> 11771

<211> 513

<212> DNA

<213> Zea mays

<223> unsure at all.n locations

<223> Clone ID: LIB3061-082-01-K6-B8

<400> 11771

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 tggtcctgc gcgctgtgc tgggcgcggc gtgccttggc cacccttggc ttgctgtgc 180
 cgggcctgtc ttgggtgtc ggccctggc tgcctatgtt ggccgacccct ctgcttcac 240
 tcgtgcggcg tgtggtcaac catggtggct ttggtgcac ctttgtgccc tgcgtgtgctg 300
 cgacagcatt tacttctatt gagcctctg tgtgactga accctgctgg ttatttgccg 360
 cgccttctat gtaccattca gccagctgc tgcctgtac tttcttcaac aacaacttct 420
 tgcattgaac caattggctg ctctgaacct cgctgcttat ttgctgcagg ggttcttact 480
 accatttagc ctgctagctg caacaagccg tgc 513

<210> 11772

<211> 686

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-B9

<400> 11772

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 ctaccaagat attagccctc cttgcgcttc ttgccctttt tgtgagcgca acaaagtgcg 120
 tcattattcc acaatgctca cttgctccta gtgccattat tccacagttc ctcccaccag 180
 ttacttcaat gggcttcgaa cacctagctg tgcaagccaa catgcaacaa caagcgcttg 240
 cggcgagcgt cttacaacaa ccaattgcc aattgcaaca acaatccttg ccacatctaa 300

caatacaagc catcacaacg caacagcaac aacagttcct accagcactg agccacctag 360
ccatggtgaa ccctgccgcc tacttgcaag agcagctgct tgcattccaac ccacttgctc 420
tggcgaacgt agttgcaaac cagcaacaac aacagctaca acagttttctg ccaacgctca 480
gtcaactage catggtgaac cctgccgcct acgtacaaca acaacaactg ctttcatcta 540
gcccgcctgc tgtgggcaat gcacctacat acctgcaaca acaattggtg caacagattg 600
taccagctct gactcaacta gctgtggcaa accctgttgc ctacttgcaa cagctgcttc 660
cattcaacga actgactctg tcgaac 686

<210> 11773

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-C1

<400> 11773

aagcacatac ctttatcacc cttggtgttt gctgcgattg cttggtggag cctatagggc 60
tgaagagctg ggttttcaca tactgaagct atcattgatg gaaggtatgg gggaagaagg 120
gaagctatag gagcttgtga gcattgaggg aaaattgtcg cgtttagcaac acatgcagaa 180
agagcaagga gcataaggag ggaaaatatc tttatcaccc ttgttggttc aacaatcgcc 240
agccctatct ttggtgcagt cattggtaca aaccatcagg gcacagcagc tgcagcaact 300
cgtgctacct gtgatcaacc aagtagctct ggcaaaccct tctccctact ctcagcaaca 360
acaatttctt ccattcaacc aactgtctac actgaaccct gctgcttatt tgcagcaaca 420
actattacca ttcagccagc tagctactgc ctactctcag caacaacaac ttcttccatt 480
taaccaattg gccgcactga acccgcgtgc ttatttgcag cagcaaatac tactaccatt 540
tagccagcta gctgcagcaa accgtgcttc cttcttgcac agaacagttg ctgcctttct 600
acagcagttt g 611

<210> 11774

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C10

<400> 11774

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ttggggcgc at tggtattggt atatgctatg acatccgttt ccaggaacta gcaatgttat 120
atgctgcaag aggtgctcat ttgttggtgct atcctgggtgc attcaacatg actactggac 180
cactgcattg ggagttgctg caaagggcga gggctgcaga caatcagctg tttgttgcaa 240
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ttgggaccttt cggagagggtg attgctacaa cggagcatga ggaggcgacc ataatagcag 360
atattgacta ctcactgatt gagcagagga ggcaatttct tcctctgcaa caccagcggc 420
gtggcgatct ctatcagctg gtagatgtcc agagactggg ttctcagtag cgagcctgga 480
tgcgngctgt gtgcccgtc tgcaggcttg ctcgtactac ttcgttcatg agatgcatgt 540
ctatgggttc tagagatcga tcaaagatg agtg 574

<210> 11775

<211> 686

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C11

<400> 11775

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tcgtcgttg cctggctctg tcagctgcca gcgcctctgc aatgcagatg cctgcccct 120
gcgcggggct gcagggttg tacggcgtg gcgcggcct gacgacgatg atgggcgccg 180
gcgggctgta cccctacgcg gagtacctga ggcagccga gtgcagcccg ctggcgccg 240
cgccctacta cgccgggtgt gggcagccga gcgcatgtt ccagccgtc cggcaacagt 300
gctgccagca gcagatgagg atgatggacg tgcatccgt cgcgagcag ctgcagatga 360
tgatgcagct tgagcgtgcc gctgccgcca gcagcgcct gtacgagcca gctctgatgc 420
agcagcagca gcagctgctg gcagcccagg gtctcaacc catggccatg atgatggcg 480
agaacatgcc ggccatgggt ggactctacc agtaccagct gccagctac cgcaccaacc 540
cctgtggcgt ctccgctgcc attccgcct actactgatt catgatattt gggaaatctc 600

ctctatccat ctctctctat ctatatatgt aataatgcag taagacgaca cacattatca 660
tgtgtggtat gaccaatata tatgca 686

<210> 11776

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C2

<400> 11776

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ttcattcagt gagaaaccaa aaggagacga attaaaggca atgcaagttg acaccacagt 180
gcttggctta tcaaaggagg aagcagaaaa caaaccttat atagcttcaa tggggatcta 240
tatttttaag aaagacatac tcctaaacct tctaagatgg cgttttccca ctgcaaatga 300
ttttggttct gaaataattc ctgcttcagc aaaagaaatc gatgtaaagg cttatctttt 360
caatgattac tgggaagata ttggaactat taagtccttc tttgaggcaa accttgctct 420
tgctgaacag cctccaaggt tcagtttcta cgatgctgac aaaccaatgt atacatcacg 480
gagaaaccta ccaccatcta tggtaacaa taatcactga ttcaatcatt tcccacggat 540
gtttcttggg taactgcagg atagaacata gtgttggttg agttcgttct cggataggct 600
ccaatgtgca cctcaaggat actgtnatgc tntgcgctga ttattatgaa actg 654

<210> 11777

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C3

<400> 11777

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ctttccctcc ttatgctcct tgctctttct gcatgtgttg ctaacgcgac aattttccct 120
caatgctcac aagctcctat agcttccctt cttcccccat accttccatc aatgatagct 180

tcagtatgtg aaaaccagc tcttcaacct tataggctcc aacaagcaat cgcagcaagc 240
aacatacctt tatcaccctt gtttcaacaa tcgccagccc tatctttggg gcagtcattg 300
gtacaaacca tcaaggcaca gcagctgcag caactcgtgc tacctgtgat caaccaagta 360
gctctggcaa acctttctcc ctactatcag caacaacaat ttcttccatt caaccaacta 420
tctacactga accctgctgc ttatttgcag caacaactat taccattcag ccagctagct 480
actgcctact ctcatcaaca acaacttctt ccatttaacc aattggccgc actgaacctc 540
gctgcttatt tgcagcagca aatattacta ccatttagcc agctagctgc agcaagccgt 600
gcttntcttct tgacacagca cagttgctgc ctttctccca gcagtttgcg g 651

<210> 11778

<211> 596

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C4

<400> 11778

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ccgagttccc cgctagtgac ttctcccgac gccgctgcgc cgctctgcc agcggagttc 120
accaagctca ctttccgtag cctgtacatc cgtcggacag gtccaggcag ccgggagatg 180
actgtggacg ggaggccgtc tgaccagctg ggacgacggt tcgtgagcga ctttcccata 240
tacgatggcc gtggctccgg cgccacctc gtcgctcgct tgcagggagt cactgtccaa 300
atcggcagct cgcaccagct agtcagcatc gtcttcgagg ccgagaggct taagggtccc 360
acgctgctca ccaacggagt gataacggat gggtcagacg agtgggcat ctacggtggc 420
accggggtgt tcgcatggc caccggtgtc atacgaagaa ggtttctcgc cggtagcaac 480
gacgggaact ctgatgagct ntaccagcat cgaagttttc tgcccggcgt ttggctcggc 540
acaacaacag ccaacaagc aggactccgt ctctgtcacc aaaatggggg atgggt 596

<210> 11779

<211> 598

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-C5

<400> 11779

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actcgctaag tagtggagat cgacatgagc cagggggcagc cgaggaggcg gcagggcgag 120
gagggcatgc acgcgcagga caatcccgtc aagttcggcg acgtgctcga cgtctcaggc 180
gagctggccg accagcccg t ggctcccaag ggacgcccg cggtgcagg ccgcggagca 240
gtccgtgctc ggccggacgc agagggcggg cccgccgcgc tcttgagtc cgcgcgacg 300
gtcaacgcgc gagcggggcca cgtaggcagg gccagacgg cgtgccccgt cgcgcgacgc 360
ggcgccaccg tcaccgagac cgagctcgcg ggccgcccg tcttcaccga gtccgtcggc 420
gggcaggtgg tggggaagga tggtgacccc ggccgccgtg gcgatgacgg acccgccggg 480
cgcgctggag aaggacgccg tcacgatcgg ccgcgcgtg gaagctgtgg gcgcgatggt 540
cggggacagg ggccgtcgag cagagcgacg cggcgccgt ccaggtcgcg aagctgtg 598

<210> 11780

<211> 694

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C6

<400> 11780

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gcaacatcaa ttatctaact ccaaaaacca tgaagctggt gcttggtggt cttgctttca 120
ttgctttagt atcaagtgtt tcttgtagac agacaggcgg ctgcagctgt ggtcaacaac 180
aaagccatga gcagcaacat catccacaac aacatcatcc acaaaaacaa caacatcaac 240
caccaccaca acatcaccag cagcagcaac accaacaaca acaagttcac atgcaaccac 300
aaaaacatca gcaacaacaa gaagttcatg ttcaacaaca acaacaacaa ccgcagcacc 360
aacaacaaca acaacaacaa cagcaccaac aacaacatca atgtgaaggc caacaacaac 420
atcaccaaca atcacaaggc catgtgcaac aacacgaaca gagccatgag caacaccaag 480
gacagagcca tgagcaacaa catcaacaac aattccaggg tcatgacaag cagcaacaac 540

cacaacagcc tcagcaatat cagcagggcc agggaaaaana caacagcaac aatgtcattg 600
ccaggagcag caacagacta caaggtgcag ctataactac tatagcagta gctcaaattct 660
aaaaaattgt catgaattcc taaggcagca gtgc 694

<210> 11781

<211> 678

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C7

<400> 11781

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ctgaggcttc gccgcgaaac cccagacctc gcgcgcgcgc ttcccctccg cggcgctcgtc 120
ctcgcacgct ctccgatcca agatgtataa gctggggaga ggaaaccgcg acaaggtgca 180
gcagttcatg accattaccg gcgccagtga gaaggttgcc cttcaggcac tgaaagctag 240
tgattggcac ttggaaggag cttttgactt cttctatagc caacctcagg tttctgtggt 300
caataactcg catcttgaag atatittcaa cagatataaa gaacctgatg ctgatatgat 360
aatggtggaa ggaatatctc aattttgcaa tgatctgcag gttgatcctc aggatattgt 420
catgcttgctc atatcatggc acatgaaagc cgccacaatg tgtgaattta ctcgtcagga 480
attcattggt ggactgcagt caattggggt agattcaatc gagaagtttc gtggaaaata 540
ccatcattac gagctgagct aaaagatgac aataaattcc gtgatata caactttgca 600
ttcacttggg caagggaana ggtcaaaagt ctctctcact ggagacttta tgggatgtng 660
cagttgctat ttgctgaa 678

<210> 11782

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-C8

<400> 11782

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gctcacttgc tcttagttcc attattccac agttcctccc accagttact tcaatggcct 180
tcgaacaccc agctgtgcaa gcctataggc tacaacaagc gattgcggcg agcgtcttac 240
aacaaccaat tgcccaattg caacaacaat ccttggcaca tctaacaata caaaccatcg 300
caacgcaaca gcaacaacag ttcctaccag cactgagcca cctagccatg gtgaaccctg 360
tcgcctactt gcaacagcag ctgcttgcac ccaaccact tgctctagca aacgtagttg 420
caaaccagca acaacaacaa ctgcaacagt ttctgccagc gcttagtcaa ctagccatgg 480
tgaaccctgc cgcctaccta caacagcaac aactgctttc atctagcccg ctgcgtgtgg 540
ccaatgcacc tacatacctg caacangnaa ttgttgcaac cagattgtac cagctctaac 600
tcagctagct gtggcaaacc ctgttgccca cttgcacagc tgcttcattc aacactaact 660

<210> 11783

<211> 670

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D10

<400> 11783

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acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcggtatg 180
tgaaaaccca attcttcaac cctataggat ccaacaggca atcgcagctg gcattctacc 240
tttatcacc cttgttctcc aacaatcctc agccctatta cagcagttac ctttggtgca 300
tttattggca caaaacatca gggcacaaca actacaacaa cttgtgctag caaaccttgc 360
tgctactct cagcaacaac agttttctcc attcaaccaa ctagctgcat tgaactctgc 420
ttcttatttg caacaacaac aactaccatt cagccagcta tctgctgcct acccccagca 480
atttcttcca ttcaaccaac tgacagcttt gaactctcct gcttatttac agcagcaaca 540
actactacca ttcagccagc tangctggtg tgagccctgc taccttcttg acacaccaca 600
attgttgccg ttctacagca cgctgcgcct aacgctggca ccctcttaca ctgcaacatt 660
gctgccattc 670

<210> 11784
<211> 492
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D11

<400> 11784

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caactgattt catctagccc tctcgtgtg gttaatgcac ctacatacct gcaacaacag 120
ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac 180
ttgcaacagc tgcctccatt caaccaactg actgtgtcga actctgctgc gtacctaaa 240
cagcgacaac agttacttaa tccactagcg gtggctaacc cattggctcg tgccttccta 300
cagcagcaac aattgctgcc atacaaccag ttctctttga tgaaccctgc cttgttgtgg 360
cagcaacca tcgttgagg tgccatctt tagattacat atgagatgta ctcgataatg 420
gtgcctcat agcggcatgt gtttcctaga aataatcaat atattgattg agatttatct 480
cgatatattt ct 492

<210> 11785
<211> 625
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D2

<400> 11785

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tgaaccctgt cgcctacttg caacagcagt tgcttgcac caaccactt gctctggcaa 120
acatagttgc ataccaaaa caacaacaat tgcaacagtt tctaccagcg ctcatcaac 180
tagccatggt gaaccctgcc gcctacctac aacagcaaca actgatttca tctagccctc 240
tcgctgtggt taatgcacct acatacctgc aacaacagtt gctgcaacag attgtaccag 300
ctctgactca gctagctgtg gcaaaccctg ctgcctactt gcaacagctg cttccattca 360
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cactagcggg ggctaacca ttggtcgtg ccttcctaca gcagcaaaa ttgctgccat 480

acaaccagtt ctctttgatg aaccctgect tgttgtggca gcaaccatc gttggaggtg 540
ccatctttta gattacatat gagatgtact cgataatggg gccctcatag cggcatgtgt 600
ttcctagaaa taatcaatat attga 625

<210> 11786

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D3

<400> 11786

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caatgggctt cgaacatcca gccgtgcaag cctacaggct acaactagcg cttgcggcga 120
gcgcccttaca acaaccaatt gcccaattgc aacaacaatc cttggcacat ctaaccctac 180
aaaccattgc aacgcaaca caacaacaac aacagtttct gccatcactg agccacctag 240
ccgtgggtgaa ccctgtcacc tacttgcaac agcagctgct tgcattccaac ccacttgctc 300
tggcgaacgt agctgcatac cagcaacaac aacagctgca acagtttatg ccagtgtctc 360
gtcaactage catggtgaac cctgccgtct acctacaact actttcatct agcccgctcg 420
cgggtgggcaa tgcacctacg tacctacaat ttgttgacgc aacaaattgt accagctctg 480
actcagctag ctgtggcaaa ccctgctgcc tacttacaac agttgcttcc atttcaacca 540
actggctgtg tcaaactctg ctgcgtacct acaacagcga caacagttac ttaatccatt 600
ggcagtggtt aaccattggg tcgcta 626

<210> 11787

<211> 597

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D4

<400> 11787

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gcccttattt tacagcagtn tnnacctttg nngtccattt gnngtggcac aaaacatcag 120

ggcacaacaa ctacaacaac ttgtgctagc aaaccttgct gcatactctc agcaacatca 180
 gtttcttcca ttcaaccaac tggtgcatt gaactctgct gcttatttgc aacaacaatt 240
 accattcagc cagctagttg ctgcctaccc ccagcaattt cttccattca accaactagc 300
 agcattgaac tctgctgctt atttacagca gcaacaacta ctaccattca gccagctagc 360
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 tttgacaaac tcaacagtgt tctaccaaca acccatcatn tgggtggcgcc ctcttttaga 540
 ttgcttatga gttatagttc aataatgaag ttttctggat gatgtttgtg gcgtccc 597

<210> 11788

<211> 614

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-D5

<400> 11788

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 ggccctcact gagcagcctt ccaagtttga tttttatgat ccaaaaacac ctttcttcac 120
 tgcaccccca tgcttgcttc cgacgcaatt ggacaagtgc aagatgaaag atgcatttat 180
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 acgtgtcagc tctggatgtg aactcaagga ctccgtgatg atgggagcgg acacctatga 300
 aactgaagaa gaagcttcaa agctactgtt agctgggaag gtcccagttg gaataggaag 360
 gaacacaaag ataaggaact gtatcattga catgaatgct aggattggga agaacgtggt 420
 gatcacaac agtaaggga tccaagaggc tgatcaccgc gaaaaagggt actacataag 480
 gtctggaatc gtgggtgatct tgaagaatga accatcaacg atgggtctgt catatagatc 540
 gnctgcgttt gcgtctacaa aacaagaacc acaatggtat tgcacgatg gaatcgtgta 600
 accttggtat ggta 614

<210> 11789

<211> 683

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-D7

<400> 11789

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aagctcctat agcttccctt ctcccccggt acctctcacc agcgggtgtct tcggtatgtg 180
aaaacccaat tcttcaaccc tacaggatcc aacaggcaat cgcagctggc atcttacctt 240
tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct ttggtgcatt 300
tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca aaccttgctg 360
cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg aactctgctt 420
cttatttgca acaacaacaa ctaccattca gccagctacc tgttgcttac cccaacaat 480
ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag cagcaacaac 540
tactaccatt cagccagcta gctggtgtga gccctgctac cttcttgaca caaccacagt 600
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ctgccattca acaacttgct ttg 683

<210> 11790
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-D9

<400> 11790

cttcattca accaactagg ttcattgaac tctgcttctt atttgcaaca acaacaacta 60
ccattcagcc agctacctgc tgcctacccc cagcaatttc ttccattcaa ccaactagca 120
gcattgaact ctctgctta ttacagcag caacaactac taccattcag ccagctagct 180
ggtgtgagcc ctgctacctt cttgacacaa ccacagttgt tgccgttcta ccagcacgtt 240
gcgcctaacy ctggcacctt cttacaactg caacaattgc tgccattcaa ccaacttgct 300
ttgacaaacc cagcagtgtt ctaccaacaa cccatcattg gtggtgccct cttttagatt 360
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445

<210> 11791

<211> 699

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E1

<400> 11791

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gatttttggc atccttggcc tccttgcctt ttcagcaagc gttgctaccg cgactattat 120
tccacaatgc tcacaacaat acctctctcc ggtgacagcc gcgagatttg aatacccaac 180
tatacaatcc tacaggctac aagaggccat cgcagcaagc atcttacggt cgttagcatt 240
gaccgtccaa caaccatatg ccctattgca acaaccatcc ttaatgaatc tatatctcca 300
aagaatcgca gcacaacaac tacaacaaca gttgcttcca acaatcaatc aagtagttgc 360
agcgaacctt gctgcttacc tccagcaaca acaatttctt ccattcaatc aactagctgg 420
ggtgaaccct gctgcttact tgcaggcaca acagctacta ccattcaacc aacttgctag 480
gagccctgct gccttcttac tgcagcaaca gttgcttcca ttccatctac aagttgtggc 540
aaacattgct gctttcttgc aacaacaaca acaattgctg ccattttaac ccacaggttg 600
tgggaaacat taacgccttc ttgcacagca acagttgcta ccattctacc cacagnatgt 660
ggcaaacaat gtcgccttct tacacaacna acatgctgc 699

<210> 11792

<211> 671

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E11

<400> 11792

gcaacatagn aaagcacaat agtgtaccaa caatggcagc caaaaatttt gcttccttat 60
gctccttggt ctttctgcaa gtgttgctac cgcaaccatt ttcccacaat gctcacaagc 120
tcctatagct tcccttcttc ccccatacct ctcaccagcg gtgtcttcaa tgtgtgaaac 180

cccaattgtt caaccctaca ggatccaaca ggcaatcgca acaggcatct taccattatc 240
 acccttggtc ctccaacaac cgtcagccct attacagcag ttacctttgg tccatttggt 300
 ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgcata 360
 ctctcagcaa catcagtttc ttccattcaa ccaactggct gcattgaact ctgctgctta 420
 tttgcaacaa caattaccat tcagccagct agttgctgcc taccgccagc aatttcttcc 480
 attcaaccaa ctagcagcat tgaactctgc tgcttattta cagcagcaac aactactacc 540
 attcagccag ctagctgatg tgagccctgc tgcttcttg cacaacaaca gttgttgccg 600
 ttctacctgc acgctatgpc taacgctggc accctcttac actgcacaat tgctgccatt 660
 caacaacttg c 671

<210> 11793

<211> 619

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-E12

<400> 11793

caccaaagta actgatgtaa tagggcacia caactacaac aacttgtgct agcaaactt 60
 gctgectact ctcagcaaca gcagtttctt ccattcaacc aactagctgc attgaactct 120
 gcttcttatt tgcaacaaca acaactacca ttcagccagc tacctgctgc ctacccccag 180
 caatttcttc cattcaacca actggcagca ttgaactctc ctgcttattt acagcagcaa 240
 caactactac cattcagcca gctagctggt gtgagccctg ctaccttctt gatacaacca 300
 cagttgttgc cgttctacca gcacgctgcg cctaacgctg gcaccctctt acaactgcaa 360
 caattgctgc cattcaacca acttgctttg acaaaccag cagcgttcta ccaacaacc 420
 atcattgggtg gtgccctctt ttagatttct tatgagttat agttcaataa taaagttttt 480
 tgtctgatgt ttgtggcttc ccagaaataa gaaagtacat ttctagattc ttatgtgctt 540
 ctagtctcca aatgtgggtg atagttattt tgctctaaga tcgacagtaa tgaagtataa 600
 atcatcgttg tggtgtaaa 619

<210> 11794

<211> 688

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E2

<400> 11794

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gcctaccatg gctgatcacc accgggggtgc gacgggaggt ggcgggggct acggcgacct 120
ccagcgcggg ggcggcatgc acggcgaggc gcagcagcag cagaagcagg gcgccatgat 180
gacggcgctc aaggccgcga cggccgcgac cttcggcggg tcgatgctgg tgctgtccgg 240
gctgatectg gccggcaccg tgatecgcgt cacgggtggc acccccgtgc tggatgacct 300
cagcccgggtg ctggtgcccg gccgccateg cgctggcgtc catggcggcc gggttcgtca 360
cctccggcgg cctcggcgtc gctgcgctgt ccgtgttctc ctggatgtac aagtacctga 420
cgggcaagca cccgccgggc gccgaccagc tggaccacgc caaggcgagg ctggcgtcca 480
aggcccgcga catcaaggat gcagcacagc accgcacga ccaggcgag gggctctgag 540
agaagaacct actcgagcgn accgcgcgcg cgacctctt gaaccactgc nncgcgcgcg 600
gcatatggcc cttaaaggcn gtggctgctg ctacgacgct gccgtagagt ctcggtcgcc 660
gcgatactta gctagtcgtt atgtgtga 688

<210> 11795

<211> 138

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-E3

<400> 11795

gggggggggg ggtgcaaaaa aaaatcgggg gggcacctg atcctttccc tccttctgct 60
ccttgccttt tctgcctgtg ttgcttccgc gtcgcttttc cctcgttgct cacaagctcc 120
tattcttttc cttcttcc 138

<210> 11796

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E4

<400> 11796

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tccacaatgc tcaattgctc ctagtgccat tattccacag ttctctccac cagttacttc 120
aatgggcttc gaacacctag ctgtgcaagc caacatgcaa caacaagcgc ttgcggcgag 180
cgtcttataa caaccaattg cccaattgca acaacaatcc ttgccacatc taacaatata 240
agccatcaca acgcaacagc aacaacagtt cctaccagca ctgagccacc tagccatggt 300
gaaccctgcc gcttacttgc aagagcagct gcttgcatcc aaccacttg ctctggcgaa 360
cgtagttagc aaccagcaac aacaacagct acaacagttt ctgccaacgc tcagtcaact 420
agccatggtg aaccctgccg cctacgtaca acaacaacaa ctgctttcat ctagcccgct 480
cgctgtgggc aatgcaccta catacctgca caacaattgt tgcaacagat tgtaccagct 540
ctgactaact agctgtggca aaccctggtg cctacttgca acagctgctt ccattcaacc 600
aactgactct gtcgaacttn gctgcgtacc tacacagcga caacagttac tta 653

<210> 11797

<211> 610

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-E5

<400> 11797

gaaaaactac ccgatcgtct tgggggtattg tttgtcatcc gccttcctcc agttgtcaga 60
gttattgcac agacatttct tcaagatata aaccaacctg actacaagtt aaagatgctc 120
tgtaaaaagg aaggatcagt ttgactatat ctttttgctg gtagattgca atatcacatg 180
gtatccgtgg agatgaggac gacattgect ccaagtctgc tccaccggca tccatcgacg 240
gtgcaagatc cagcagatag attgatggca aagaggacga ctccatgtcc aggcgtactc 300
ccgccttgc atcgagattg ctaggtcata atcgaagggt ttacaggnga ggagatctga 360
acatagctct tcaatcccaa agttaacatc gttggttacc ataattctta ctgcttgcaa 420
gcccttttag aatattactg ctgcgagggt cttgcaagtc cttgatgaag aagtcgaagg 480
tgacgaacgc cgaggccgct atcctgatcg acgccaagaa cctcacagcg cacctccttg 540

tgatgctctt ttctccaatg tcttctctta tctacatgca ggaaaaaact acatgttgat 600
ggcgtggatc 610

<210> 11798
<211> 669
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-E6

<400> 11798

ngaaacacaa tagtgtacca acaatggcag ccâaaatitt tgcttctta tgctccttgg 60
tctttctgca agtgctgcta cgcgaaccat tttcccacaa tgctcacaag ctcttatagc 120
ttcctttctt ccccatacc tctcaccagc ggtgtcttca gtatgtgaaa acccaattct 180
tcaaccctac aggatccaac aggcaatcgc agcaggcatc ttacctttat cacccttgtt 240
cctccaacaa cgcgcagccc tattacagca gttacctttg gtgcatttgt tggcacaaaa 300
catcaaggca caacaactac aacaacttgt gctaggaaac cttgctgcct actctcagca 360
acagcagttt ctccattca accaactggc tgcattgaac tctgctgctt atttgcaaca 420
acaactacca ttcagtcagc tagctgctgc ctacccccag caattttctt cattcaacca 480
actggcagca ttgaactctg ctgcttattt acaacagcaa cagctaccac cattcagcca 540
gctagctgat gtgagccctg ttgccttctt gaccaacaac agttgttgcc gttctacctg 600
cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 660
cttgctttg 669

<210> 11799
<211> 657
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-E8

<400> 11799

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aagcggaagc agggttcagg atcgacggg gatggctgca gcggcagcga gggagagcag 120

accaagaggg cgaggaggga ggagaagcgg aggcaggcga aagggaaagc cgtggcgcct 180
 cagatcgaca egggcttggt cagcaacgtc cccctgagc tgttcttgca gatcttcaag 240
 ttcctctcct ccgaggacct catctcctgc gctctagtct gccgcttcat gaatgctgcc 300
 gcgtccgacg agacctctg gcgcgcctg tactgcatga ggtggggact ggctccaat 360
 gccaaattca gggagtgcgc ttggaagaac ctctacatac agagagatag agaggatatg 420
 gttgaatttg tgaggaatac tcctacagag ttcaaggagt actatattca gatgcaggct 480
 gcaaaaagga gtcaagctcc ccgtccgtca gaagtcaacg acgacaaggt tatgcttgat 540
 aagacagtag ctgaccaggt atctagttgg aaaacagccg gnggcttact gatgaagctg 600
 tcaagggcac tcttgttctg gaaaacatgc tcgtacaccc anattggtga tgcttac 657

<210> 11800
 <211> 587
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-082-01-K6-F1

 <400> 11800

ctgtgccta cttgcaacag cagttgcttg catccaaccc cttgctctgg caaacatagt 60
 tgcataccaa caacaacaac aattgcaaca ggttctacca gcgctcagtc aactagccat 120
 ggtgaaccct gccgtctacc tacaacagca acaactgatt tcctctagcc ctctcgctgt 180
 ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 240
 tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 300
 gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 360
 ggtggctaac ccattggtcg ctgccttcct acagcagcaa caattgctgc catacaacca 420
 gttctctttg atgaaccctg ccttggttggt gcagcaaccc atcgttggag gtgccatctt 480
 ttagattaca tatgagatgt actcgataat ggtgccctca tagcggcatg tgtttcctag 540
 caataatcaa tatattgatt gagatttatc tcgatataaa aaaacaa 587

<210> 11801
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-F11

<400> 11801

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tggctgtgtc aaactctgct gcgtacctac aacagcgaca acagttactt aatccattgg 120
cagtggctaa cccattgggc gctaccttcc tgcagcagca acaacaattg ctgccataca 180
accagttctc tttgatgaac cctgccttgc agcaacccat cgttggaggt gccatctttt 240
agattacata tgagatgtac tcgaacaatgg.tgccctcata ccgacatgtg tttcctagaa 300
ataatcaata tattgattga gatttatctc g 331

<210> 11802

<211> 124

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-F3

<400> 11802

caacaaccca tcattggtgg tgccctcttt tagattgctt atgagttata gttcaataat 60
gaagtttttt ggatgatgtt tgtggcgctc cagaataaga aagtcatttc tagattctta 120
tgtg 124

<210> 11803

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F4

<400> 11803

tggctggtac atgagaagat aaaagagagt caagtcaatt tcaagtactt ttgtgacttt 60
ttcaaagtgt ggggaacttg aagcgaacga tttttatgaa gatactcttt atgaggatca 120
ccttacgtag ttgtatacaa gaaacttgga cactagagcc tgggcatctt actgcttttt 180
gcaacacttg cttctcttct gatggaatgt ttgtaagttg ttgactgtgc ttcgctgaga 240
accatagagg gcacagtga tttttgaatt tgatggggagc ctgaggatt tgcctttgta 300

gagtttgttg atccttacga tgectctgaa gccagtatc acatgaatcg ccaagttttc 360
 tttggtcggg aaatagctgt tgttcttgct gctgagtcac gaaaaaggcc agaagaaatg 420
 cgcagcagaa ctagagtaag aggttactct ggtcatgaag gtcgccggtc ttcttactat 480
 ggtcgggtctc gttctcgctc tctcgtctat cggggccgctc ctccggtcgag atcatactct 540
 cctgctccaa ggcgnggaa tgactactct gcctctccaa ggagacagga agcccatcgc 600
 tcatctctc ccaggcgct gccaaaggag catgatga 638

<210> 11804

<211> 682

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F6

<400> 11804

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 agctgtgcaa gcctataggc tacaacaagc gcttgccggc agcgtcttag aacaaccaat 120
 tgcccaatta caacaacaat ccttggcaca tctaaccata caaaccatcg caacgcagca 180
 gcaacaagca ctgagccacc tagccgtggt gaaccctatc gcctacttgc aacaacagct 240
 gcttgcatcc aaccacttg ctttggcaaa cgtagctgca taccaacaac aacaacagtt 300
 gcaacagttt ctaccagcgc tcagtcaact agccatggtg aaccctatcg cctacctaca 360
 acagcaacaa cttctttcat ctagcccgtc cgctatgggc aatgcaccta catacctgca 420
 acaacagttg ttgcaacaac agttgctgca acaaattgta ccagctctta ctcagctagc 480
 tgtggcaaac cctgctgcct acttgcaaca actacttcca ttcaaccaac tgactgtgtc 540
 gaactctgct gcgtacctac aacagcgaca acagttactt aatccactag cgggtggctaa 600
 cccattggtc gctgccttcc tacagcagca acaattgctg ccatacaacc agttctctnt 660
 gatgaaccct gccttgctgt gg 682

<210> 11805

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-F7

<400> 11805

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actttccctc cttatgctcc ttgctctttc tgcagtgtt gctaacgca caattttccc 120
tcaatgctca caagctccta tagcttccct tcttccccca taccttccat caatgatagc 180
ttcagtatgt gaaaaccag ctcttcaacc ctataggctc caacaagcaa tcgcagcaag 240
caacatacct ttatcaccct tgtttcaaca atcgccagcc ctatctttgg tgcagtcatt 300
gggtacaaacc atcaaggcac agcagctgca gcaactcgtg ctacctgtga tcaaccaagt 360
agctctggca aacctttctc cctactatca gcaacaacaa tttcttccat tcaaccaact 420
atctacactg aacctgctg cttatttgca gcaacaacta ttaccattca gccagctagc 480
tactgcctac tctcatcaac aacaacttct tccatttaac caattggccg cactgaacct 540
cgctgcttat ttgcagcagc aaatattact accatttagc cagctagctg cagcaagccg 600
tgcttccttc ttgcacagca cagttgctgc ctttctccag cagtttgagg c 651

<210> 11806

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G1

<400> 11806

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aatctaaaaa attgtcatga attcctaagg cagcagtgca gccctttggg aatgcctttt 120
ctccaatcac gtttgataca accaagtagc tgccaggat tgcagcaaca atgttgcat 180
gatcttaggc agattgagcc acaatacatt caccaagcaa tctacaacat ggttcaatcc 240
ataatccagg aggagcaaca acaacaacca tgtgagttat gtggatctca acaagctact 300
caaagtgggg tggcaatctt gacagcagca caatacctac catcaatgtg cggcttgtag 360
cactcatact accaaaataa tccatgcagc agcaatgaca ttagtggtgt ttgcaattg 419

<210> 11807

<211> 659

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-G10

<400> 11807

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 tgctccttgg tctttctgca agtgtgtgta cggcgaccat tttcccacaa tgctcacaag 120
 ctctatagc ttcccttctt ccccggtacc tctcaccaac ggtgtcttcg gtatgtgaaa 180
 acccaattct tcaacccctac aggatccaac aggcaatcgc agctggcatc ttacctttat 240
 cacccttgtt cctccaacaa tcatcagccc tattacagca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactago tgcattgaac tctgcttctt 420
 atttgcaaca acaacaacta ccattcagcc agctatctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactgaca gcattgaact ctctgtgta tttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgtacctt cttgacacaa ccacagttgt 600
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<210> 11808
 <211> 732
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G11

<400> 11808

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 gtgttgctaa cgcgacaatt ttccctcaat gctcacaagc tctatagct tcccttcttc 180
 ccccatacct tccatcaatg atagcttcag tatgtgaaaa cccagctctt cagccctata 240
 ggctccaaca agcaatcgca gcaagcaaca tacctttatc acccttggtg tttcaacaat 300
 cgccagccct atctttggtg cagtcattgg taaaaccat cagggcacag cagctgcagc 360
 aactcgtgct acctgtgatc aaccaagtag ctctggcaaa cctttctccc tactctcagc 420
 aacaacaatt tcttccattc aaccaactgt ctacactgaa cctgctgct tatttgcagc 480

aacaactatt accattcagc cagctagcta ctgcctaactc tcagcaacaa caactttcttc 540
catttaacca attggccgca ctgaaccccg ctgcttattt gcagcagcaa atactactac 600
catttagcca gctagctgca gcaaaccgtg cttccttctt gacacagcaa cagttgctgc 660
ctttctacca gcagtttgcg gctaaccccg caaccctctt acaactacaa caattgttgc 720
cctttgtcca ac 732

<210> 11809
<211> 693
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-G2

<400> 11809

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accaagatat tagccctcct tgcgcttctt gccctttttg tgagcgcaac aaatgcgttc 120
attattccac aatgctcact tgctcctagt gccattattc cacagtctct cccaccagtt 180
acttcaatgg gcttcgaaca cctagctgtg caagccaaca tgcaacaaca agcgcttgcg 240
gcgagcgtct tacaacaacc aattgcccac ttgcaacaac aatccttgcc acatctaaca 300
atacaagcca tcacaacgca acagcaacaa cagttcctac cagcaactgag ccacctagcc 360
atggtgaacc ctgccgccta cttgcaagag cagctgcttg catccaaccc acttgctctg 420
gogaacgtag ttgcaaacca gcaacaacaa cagctacaac agttttctgcc aacgctcagt 480
caactagcca tgggtgaacc tgccgcctac gtacaacaac aacaactgct ttcacttagc 540
ccgctcgctg tgggcaatgc acctacatac ctgcaacaac aattgttgca acagattgta 600
ccagctctga ctcaactagc tgtggcaaac cctgttgctt acttgncaca gctgcttcca 660
ttcaaccaac tgactctgtc gaactctgct gcg 693

<210> 11810
<211> 701
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-082-01-K6-G3

<400> 11810

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gcaggagaaa cctcactgac agccccgtat ttgacggccg tggccctgac gccagcctcg 120
tggctcgcgt acagggagtc gctacccaga tgggcgacgt gcgccagttg tacaccgtcg 180
tgttccagga gaggccgctc aagggctcca cgctcgtcac cgaaggcgcg atgacagaag 240
ggtcagacga gtgggcgatc tacgggtgaa ctggagtgtt cgcgatggcg agaggcgtca 300
taaggagaac gtttcttgcc gacacgagcg gcgggaactc cgacgagctt gccgtggagg 360
ttctctgccc ggtgttccgc ccggcggcgt ttggctcacc gtcgtcacag ccagcagcaa 420
aggacatcag ctccaccgtc gtcgtcacca aggtcggagt gtgggggtgga gagggagggg 480
cggcgcanga catcgcgacg acggagccgc cgaggcgtct gcagagcctg accgtccgcg 540
ccggcggtgc cgtggactcc atcgagttca cctacagtac cgacacaggt ggtcagacgc 600
gcaccgctgg gcgatggggg ggacttggcg gncacgtccg gaagctcgat cttggcgacg 660
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<210> 11811

<211> 605

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G4

<400> 11811

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tgctcgttgc cctcgtcttc ctggctctcg ctgcgagcgc cacctccacg catacaagcg 120
gcggctgcgg ctgccagcca ccgccgcggg ttcatctacc gccgccggtg catctgccac 180
ctccggttca cctgccacct ccggtgcac tcccaccgcc ggtccacctg ccgccgcggg 240
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actaccctac tcaaccgccc cggcctcagc ctcatcccca gccacaccca tgcccgtgcc 360
aacagccgca tccaagcccg tgccagctgc agggaaacct cggcgttggc agcaccgccg 420
tcctgggcca gtgcgtcgag tttctgaggc atcagtgcag cccgacggcg acgccctact 480
gtcgcctca gtgccagtcg ttgcggcagc agtggttcca gcagctcagg caggtggagc 540

cgcagcacccg gtaccaggcg atcttcgggt tggctcctcca gtccatcctg cagcagcagc 600
cgcaa 605

<210> 11812

<211> 613

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-G6

<400> 11812

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gcgcttcttg cccttttagt gagcgcaaca aatgcgttca ttattccaca gtgctcactt 120
gctcctagtg ccattattcc acagttcctc ccaccagtta cttcaatggg cttcgaacat 180
ccagccgtgc aagcctacag gctacaacta gcgcttgccg cgagcgcctt acaacaacca 240
attgccaat tgcaacaaca atccttggca catctaacc taaaaacat tgcaacgcaa 300
caacaacaac aacaacagtt tctgccatca ctgagccacc tagccgtggg gaaccctgtc 360
acctacttgc aacagcagct gcttgcatcc aaccacttg ctctggcgaa cgtagctgca 420
taccagcaac aacaacagct gcaacagttt atgccagtgc tcagtcaact agccatgggtg 480
aaccctgccg tctacctaca actactttca tctagccgcg tcgcggtggg caatgcacct 540
acgtacctac aacaacagtt gctgcaacaa attgtaccag ctctgactca gctagctgtg 600
gcaaaccctg ctg 613

<210> 11813

<211> 672

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-082-01-K6-G7

<400> 11813

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gggttttctg caagtgttgc taccgcaacc attttccac aatgttcaca agctcctata 120
gcttcccttc tcccccata cctctacca gcggtgtctt caatgtgtga aacccaatt 180

gttcaaccct acaggatcca acaggcaatc gcaacaggca tcttaccatt atcacccttg 240
 ttcttccaac aaccgtcagc cctattacag cagttacctt tgggtccattt ggtggcacia 300
 aacatcaggg cacaacaact acaacaactt gtgctagcaa accttgctgc atactctcag 360
 caacatcagt ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa 420
 caacaattac cattcagcca gctagtgtgt gcctaccccc agcaatttct tccattcaac 480
 caactagcag cattgaactc tgctgcttat ttacagcagc aacaactact accattcagc 540
 cagctagctg atgtgagccc tgctgccttc ttgacacaac aacagttggt gccgttctac 600
 ctgcacgcta tgcctaacgc tggcaccttc ttacaactgc aacaattgct gccattcaac 660
 caacttgctt tg 672

<210> 11814
 <211> 697
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-G8
 <400> 11814

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 cctcaatact cacaagctcc tatagctgcc cttcttcccc cataccttcc atcaatgacc 180
 gcttttagtat gtgaaaaccc agcccttcaa ccctacagga tccagcaagc aatcgcaaca 240
 agcaacttac ctttatcaca cctgttcttt caacaatcgc cagccctatc tttggtgcag 300
 tcattggtac aaaccatcag ggacagaacag ttgcagcaac tcgtgctacc agtgatcagc 360
 caagtagctc tggcaaacct tccccctac tctcagcaac aacaatttct tccattcaac 420
 caactgtcta tactgaaccc tgctgcttat ttgcagcaac aacaactact accattcagc 480
 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 540
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgGCCa gctagctaca 600
 acaagccccg ctttcttctt gacacaacaa caagtgtctc cgttctacca gcagtttgtg 660
 gctaaccctg caaccctctt acaactgcac agtttgtc 697

<210> 11815
 <211> 562
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-G9

<400> 11815

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 tacaacaact tgtgctagca aaccttgctg cctactctca gcaacagcag tttcttccat 120
 tcaaccaact agctgcattg aactctgctt cttatttgca acaacaacaa ctaccattca 180
 gccagctacc tgctgectac ccccagcaat ttcttccatt caaccaactg gcagcattga 240
 actctcctgc ttatttacag cagcaacaac tactaccatt cagccagcta gctgggtgtga 300
 gccctgctac cttcttgata caaccacagt tgttgccgtt ctaccagcac gctgcgccta 360
 acgctggcac cctcttaciaa ctgcaacaat tgctgccatt caaccaactt gctttgacaa 420
 acccagcagc gttctaccaa caaccatca ttggtgggtgc cctcttttag atttcttatg 480
 agttatagtt caataataaa gttttttgtc tgatgtttgt ggcttcccag aaataagaaa 540
 gtacatttct agattcttaa na 562

<210> 11816
 <211> 686
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-H1

<400> 11816

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 tgctccttta tgctccttgg tctttctgca agtgcctgcta cggcgaccat tttcccgcaa 120
 tgctcgcaag ctctatagc ttcccttctt ccccgctacc tctcaccagc ggtgtcttcg 180
 gtatgtgaaa acccaattct tcaaccctac aggatccaac aggcaatcgc agctggcatc 240
 ttacctttat cacccttggt cctccaacaa tcatcagccc tattacaaca gttacctttg 300
 gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360
 cttgctgcct actctcagca acagcagttt cttccattca accaactagg ttcattgaac 420

tctgtcttctt atttgcaaca acaacaacta ccattcagcc agctacctgc tgcctacccc 480
cagcaatttc ttccattcaa ccaactagca gcattgaact ctctgtctta ttacagcag 540
caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600
ccacagttgt tgccgttcta ccagcacgtt gcgcctaacg ctggcaccct cttacactgc 660
aacattgctg ccattcaaca acttgc 686

<210> 11817

<211> 607

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-H10

<400> 11817

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acaaagaggg catcccccca gaccagcagc gtctgatctt cgctggcaag cagctggagg 120
atggccgcac cctagcagac tacaacatcc agaaggagag cactctccac ctggtgctcc 180
gcctccgtgg tggtcagtaa gccatggttc atttaagctg ctgctgtacc tgggtatctg 240
cgctgtctgg tgccctctgg tgtacctcta tatggatgtc gtcgtctaataaacatctgt 300
ggtttgtgtg tcatgaatcg tggttgtggc ttcgttggtt taatggacct gttgtgtcct 360
ctgtgttgta cccaaaactc ttctgcagca gtatggcttg aatccttatg aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaann aaaaaaana aaaaaaaaaa 480
nanaaanann aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg gcgggccgct 540
tttaaaggct cacaatttta tttccccggg cttgcagacg taaaagtttt tttattgggg 600
cccca aa 607

<210> 11818

<211> 695

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-H12

<400> 11818

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 accaagatat tttccctcct tatgtcctt gctctttctg catgtgttgc taacgcgaca 120
 attttccctc aatgttcaca agctcctata gcttcccttc tccccccata ccttccatca 180
 atgatagctt cagtatgtga aaaccagct cttcagccct atagggtcca acaagcaatc 240
 gcagcaagca acataccttt atcaccccttg ttgtttcaac aatcgccagc cctatctttg 300
 gtgcagtcac tggtaaaaac catcagggca cagcagctgc agcaactcgt gctacctgtg 360
 atcaaccaag tagctctggc aaacctttct cctactctc agcaacaaca atttcttcca 420
 ttcaaccaac tgtctacact gaaccctgct gcttatttgc agcaacaact attaccattc 480
 agccagctag ctactgccta ctctcagcaa caacaacttc ttccatttaa ccaattggcc 540
 gcaatgaacc ccgctgctta tttgcagcag caaatactac taccatttag ccagctagct 600
 gcagcaaacc gtgcttcctt cttgacacag caacagttgc tgcctttcta ccagcagttt 660
 ggggctaacc ccgcaaccct cttacactac aacaa 695

<210> 11819

<211> 682

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-082-01-K6-H5

<400> 11819

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 ccacgaaaga aatatgtgtc cggggatgca cggggttctt atagttccac caacagtaca 120
 ccgggcagca agccaacata tcaggatgct tctgagagag ccaagctgct agatgctctc 180
 cggcactcgc aaacacgtgc tagggaagcc gagatagctg ccaagaaagc gtatgacgag 240
 aaggaccatg tcatcaagct actgttccgt caagcctcac acctcttcgc atgcaagcag 300
 tggttgaaaa tgctgcagct ggaaaacata tgccttcagc tcagggttcaa agaaccaccag 360
 atagcaacca tgttcccga ccttccatgg atgttggtga aggaaaaggt agcaccgtct 420
 caagagcaca atgaaggggc taggaagaaa ggcaaaaggc caaacaggaa aggtggcctc 480
 tgcgatgccg ttgcatttgc tgttggtgtt ggtatcgttg gtgctggatt gcttcttggg 540

tggactcttg ggtggctact gccctagctg gaagttccat cgacttccat gaccgtaaag 600
 gtgacaggat aaatgcctcc tgtgcacact agattgaatg gcaatacatt gcatggcaat 660
 aggtaagttt caagtgtgtg ct 682

<210> 11820
 <211> 697
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-082-01-K6-H6
 <400> 11820

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 gccggggggt cgttcctgct cggcgcgctc tccgtcgagt ccaatcccaa tcccaagctc 180
 aagcccagca gggctccgctg cgcgcgcgcc gccgcgcgcc cgctgtacga ggtcctgggc 240
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 cggcaccggg acgtggcgca cgcgcccggg gccgcgcgcc agttcgcccc cctgcacgac 360
 gcctacgcca cgctctccga cccggacagc cgcgcgcgct acgacggcgg cggcgccgcg 420
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 cgcacatggg agacggacca gtgctggtag tagagagtag agaggcacag ccaagagccc 540
 cacgcgcttc ttgtctgtct gtagaatagt tagacctcct gccgccagcc atgcggccat 600
 ggcggtcac cttggactnt ttttttggtt tcggtggcca tccatgtagc gtgatttttc 660
 gttttccttc ctccacttgc cctagtagct gtgtgct 697

<210> 11821
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-H7
 <400> 11821

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tgtactgcat cttatgtttg tgattgtcat gtaatctgaa gatgcctctg tattgtggtg 180
 gcttgttttct gctgagattc cgaccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggcccttttt aaaggtccaa 360
 attttactac ccggtgtttc caacttaaaa tttttttttt agggccccc aaataaaatc 420
 aatgggcccgg tttttaaaa cggggggtgg ggaaaaaccc tgggggtccc aaattaaatc 480
 ccttgga aaaatcccc ttcccaagt gggtaaaaac aaaaaaggcc cacccttttc 540
 ccctttccaa actttggccc atcttaatag gaaaaggga ccccc 585

<210> 11822
 <211> 689
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-082-01-K6-H9
 <400> 11822

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 tagtatcaag tgtttcttgt acacagacag gcggctgcag ctgtggtcaa caacaaagcc 180
 atgagcagca acatcatcca caacaacatc atccacaaaa acaacaacat caaccaccac 240
 cacaacatca ccagcagcag caacaccaac aacaacaagt tcacatgcaa ccacaaaaac 300
 atcagcaaca acaagaagtt catgttcaac aacaacaaca acaaccgcag caccaacaac 360
 aacaacaaca acaacagcac caacaacaac atcaatgtga aggccaacaa caacatcacc 420
 aacaatcaca aggccatgtg caacaacacg aacagagcca tgagcaaacac caaggacaga 480
 gccatgagca acaacatcaa caacaattcc agggtcatga caagcagcaa caaccacaac 540
 agcctcagca atatcagcag ggccaggaaa aatacaacag caacaatgtc attgccagga 600
 gcagcaacag actacaaggt gcagctataa ctactatagc agtagctcaa atctaaaaaa 660
 tgtcatgaat tcctaaggca gcagtgcag 689

<210> 11823
 <211> 595

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-A1
 <400> 11823

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 ctaggaaacc ttgctgccta ctctcagcaa cagcagtttc ttccattcaa ccaactggct 180
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 caacagcaac agctaccacc attcagccag ctagctgatg tgagccctgt tgccttcttg 360
 acacaacaac agttgttgcc gttctacctg cacgctgcgc ctaacgctgg caccctctta 420
 caactgcaac aattgctgcc attcaaccaa cttgctttga caaacccaac agcggttctac 480
 caacaacca tcattgggtg tgcctctctt tagattgctt atgagttata cttcaataat 540
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<210> 11824
 <211> 623
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-A10
 <400> 11824

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 atcaattatc aatttgggtg ttccagacca gaggtgaggg aagcttgaat tccaatacct 180
 acatgaatat gctggtgtgg gtgcaagcgt taggcttaat tacaatccta tggctaacct 240
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 gaaccattca ggcacttggt ttggagctga tttgtctcac ataatgtcga gaaatgagag 480
 cactctaate ttcgggtccc agtactctgt ggatccccac acgactatta agacacgttt 540

caacaactac tgtatggcca gtgcccttgt ccatcatgaa tggcgtctca agtgcttcgt 600
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<210> 11825

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A11

<400> 11825

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acaacaacaa caactactac cattcagcca gctagctgct gtgagccctg ctgccttctt 180
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acaactgcaa caattgctgc cattcgacca acttgctttg acaaaccag cagtgttcta 300
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<210> 11826

<211> 633

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A12

<400> 11826

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tgtacagatg gcgtccggcg gtccggcgct cgagccgctc gtcgaccagg tcatctccgt 180
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cattatactc gacgagtccc atgagagggg ctattctaga aaggaggag tccaacaact 300
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agagctggat tcaagattgg atatgtcgaa gctaagggcg caccactga agcctgttat 420
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caggatgtag catcatcatg gcgaggggac tgagtaatat ggacatgttg cgtattgtgc 540
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<210> 11827

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A2

<400> 11827

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ccccatggcg gcggctggcg gcggcgcagg aggggaaggta tccttcaaga tcctcctcac 120
ctccgacccc aagctccctt tcaaagtgtt cagcgtgccc gaggcggcgc cctttaccgc 180
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caacgatgga attggcatca acccccagca aagtgcaggc aacgtgtttc tgaaacatgg 300
ttcggagctg cgtctcatcc ctccgatag agttggagct gtagtcatgt cttccggtta 360
gaggatatat acagtccaat gcataatgag caaaacttga gagaaataaa gctttgatgt 420
tggccttgct tggctgtagg atgttggtac aaggataata agcgaacctt accgtacatg 480
tctcaagttg tatgctctct gtttgtatgt ggagagattt ctgaaagtga atccagtatc 540
tgaatcgact caattagccg ctttctgtct gcacagagcg atatgatcct gcttcgcgct 600
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<210> 11828

<211> 616

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A3

<400> 11828

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ggaaatgcat gtgggacatc taaggtctac aattattgga gatacattag cacgcatgtt 180

tgagttctcg aatgttgatg ttctgcgaag aaaccatgta ggagattggg gtacacagtt 240
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 agaatttaaa gcaagggctc aacaaggagt tgttcggcta cagggaggag aagagagata 420
 tcgagaagca tggaaaaaga tttgtgacat tagcaggagt gaatttgact tggctctaaa 480
 acgctaaat gtggtgcttg aagaaaaggg ggagagtttc tataatcctt atattcctca 540
 agtggtggag gaattgagta gcaaaggctt gatcaaggag agtgaggggtg ccagagttat 600
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<210> 11829
 <211> 642
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-A5

 <400> 11829

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 acgcgcgtgg ccggcgctcg gcgcggcccc cggccaggtc ggcgcgcgcg gccgacgcac 240
 ggcgcagcac gcggtgcct cctcggcaca ggtggcctta agcagcggcc acccccgtg 300
 ggcggttttc catgccgacg cggcccctgg tacgcagtgg cacgaacgcg cggctcccct 360
 cggcggcggc gcgggcagta gccccgacgc gtgaccctgc tgcggcacgg gcaggccggt 420
 ggtcccagcg tgcacgaggt cctttgcgtg ggggcagcca gggaccaaca cagatccagc 480
 gtggacttgg ctggcacaaa gacgacatgc agaaaatgga gcatgcattg aatgccatga 540
 ggaacaatag atatcgtaca ttacttttgt tcttgatgtc caaacctcta ctgttccctc 600
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<210> 11830
 <211> 166
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A6

<400> 11830

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gtcgggaatag atatgttttt ttactcttcg tggggcagtt ttgtactggg ggattcataa 120
ggactctgat tatgggtgcgt tcggaactta taataataag cacatg 166

<210> 11831

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-A7

<400> 11831

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tattttccat ctttatgctc cttgctcttt ctgcatgtgt tgctaacgcg accatttttc 120
ctcaatactc acaagctcct atagctgccc ttcttcccc ataccttcca tcaatgaccg 180
cttcagtttg tgaaaaccca gcccttcaac cctacaggct ccaacaagca atcgcaacaa 240
gcaacttacc tttatcaccc ctgttctttc aacaatcgcc agccctatct ttgggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcaacaact cgtgctacca gtgatcagcc 360
aagtagctct ggcaaaccct tctccctact ctgagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaaccct gctgcttatt tacaacaaca acaactacta ccattcagcc 480
agctagctac tgcttactct cagcagcaac aatttcttcc atttaaccaa ttggccgcac 540
tgaacccctc tgcttatttc cagcagcaaa tactactacc atttggccag ctgctacaa 600
caagccccac ttcctttttg aaacaacaac aattgcttnc gttctaccag cagtttgtgg 660
cta 663

<210> 11832

<211> 360

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-A8

<400> 11832

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ggcgggtgatg ggtttcatca tggacttcgc ggtgaatctg ttcttcgctc tgttggtggt 120
cccgggtcaag cgcgtccagg ttccggcgggt gcctgtctgc ggggtgaagg agcgggtgca 180
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tttgtacttg tngttctctt ggggttccct nctcattctg gccttcgccc cgtcgttccc 300
gttcgactac cccctctccg cctctctggt ccttttctct ctcttctctt ccccttctcc 360

<210> 11833

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-A9

<400> 11833

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tggctaccaa gatattatcc ctctttgcgc ttcttgccgt ttttgccgagc gcaacaaatg 120
cgtccattat tccacaatgc tcacttgctc ctagtctcat tattccacag ttctctccac 180
cagttacttc aatggccttc gaacaccag ctgtgcaagc ctataggcta caacaagcga 240
ttgcggcgag cgtcttacia caaccaattg cccaattgca acaacaatcc ttggcacatc 300
taacaatata aaccatcgca acgcaacagc aacaacagtt cctaccagca ctgagccacc 360
tagccatggt gaaccctgtc gcctacttgc aacagcagct gcttgcatcc aaccacttg 420
ctctagcaaa cgtagttgca aaccagcaac aacaacaact gcaacagttt ctgccagcgc 480
ttagtcaact agccatgggt aaccctgccg cctacctaca acagcaacaa ctgctttcat 540
ctagcccgtc cgctgtggcc aatgcaccta catacctgca acaagaattg ttgcaacaga 600
ttgtaccagc tctaactcag ctagctgtgg caaacctt 638

<210> 11834

<211> 212

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-B1

<400> 11834

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gcaccattat cagagtcatc tcatatgtaa aaaaaaaggg ggcgggcccca ctggggggctc 120
cacgcctacg gccgcggcca tggcagccct accccctgct ctggggccccc caacggggggg 180
ggccccgggcc gccgtttacc accgggggggc cg 212

<210> 11835

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B10

<400> 11835

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ctgatcagct acagtaaadc ccctgtgcac ttataatatt cagcaagcc atgcattcta 120
tttttctatc tattgctgtt agaagatcag taataattgc aacactgctt cacacaatta 180
gcttcattct gttcttttgc atggataatc atagtccagc ggggcgtaat atccatttga 240
ataactactt aggcttggca tggcattagt ttgtttttct tcttcattct tggacttcga 300
ttgatttgat gaattattgt tatctagcag aaatgactcg atggttattg acatgggccc 360
ccctgctgat tgggtgaaaa taaatgttag gaaaactaaa gattgctatg aagtctatgc 420
gttggttcct ggccttctga gggaagaggt aagtaaagtc aaaacttttt taatgattga 480
tttttgctct taaattatgt tctcctcttt gtgctgcaaa agttggagcg tctgatgcac 540
ggtttgatgc aggtacatgt tcagtccgac ccagctgggc gtttgatagt tactggagag 600
cctgagcaat tggataaccc atggggtgtc actccat 637

<210> 11836

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B12

<400> 11836

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ccgccgggtcc atgtgccgcc gccggttcat ctgccgcgcc accatgccac taccctactc 120
aaccgccccg ggctcagcct catccccagc cacacccatg cccgtgccaa cagccgcata 180
caagcccgtg ccagctgcag ggaacctgcg gcgttggcag caccgccata ctgggccagt 240
gcgtcgagtt cctgaggcat cagtgcagcc cgacggcgac gccctactgc tcgcctcagt 300
gccagtcggt gccgcagcag tgttgccagc agctcaggca ggtggagccg cagcaccggt 360
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acgtctgtgc cggcgggtgc cccactgaa gaaactatgt gctgtagtat agccgctggc 480
tagctagcta gttgagtcac ttagcggcga tgattgagta ataattgtgc acgcatcac 540
atgggtggca gtgtcagttg gagcaatgac ctgaatgaac aattgaaatg aaaagaaaaa 600
aagtactcca tctgttcc 618

<210> 11837
<211> 531
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-B2
<400> 11837

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cccttccttc tctctctcg gggagggagg gagggtcagg gaggattggg tagtcggttg 120
attaggttgg ggagtgggag tagttaggta atctgtccta gttcatcaat caacgaggtt 180
ttctttttct ctttttgggt tttcgatgga attgtttttg tccgtccgtc catgcaacca 240
agaaagaaaa gaaatttcca aggcccatgg agaactctgta caaaagagtg gctacgtgca 300
agaggagcgt tgagtctgtg agcaggacca agcagcagca gcagctaggt tgttcagtca 360
ggcagtggat gagctgtgtg tgtgagagag agacatctat ttgtggcggt ttcccttttt 420
tccccctttt ctctcctgat tattgtatgt tgtaatatcc tgctgtgatt gaaatgaaat 480
caagctgtat aatactggta gtaanaaaaa naaaaaaaaa anaaaanaaa a 531

<210> 11838

<211> 477
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-B3

<400> 11838

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ctctcagcaa cagcagtttc ttccattcaa ccaactaggt tcattgaact ctgcttctta 120
tttgcaacaa caacaactac cattcagcca gctacctgct gcctaccccc agcaatttct 180
tccattcaac caactagcag cattgaactc tcttgccttat ttacagcagc aacaactact 240
accattcagc cagctagctg gtgtgagccc tgcctacctc ttgacacaa cacagttgtt 300
gccgttctac cagcacgttg cgcctaacgc tggcaccctc ttacaactgc aacaattgct 360
gccattcaac caacttgctt tgacaaaacc agcagtgttc taccaacaac ccatcattgg 420
tgggtgccctc ttttagattt cttatgagtt atagttcata ataaagtttt ttatctg 477
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<210> 11839
 <211> 627
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-B4

<400> 11839

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gaaggaccgc aagtaccga cggggctgag ggcgaaccgg gccaccgagg ccggttactg 120
gaaggcgacg ggcaaggaca aggaggtcta caacgccgcg gaaggagtgg cggtactggg 180
cggcatgaag aagacgctcg tcttctacag gggcagggct ccaggggtg acaagacaaa 240
ctgggtcatg cacgagtaca ggctcgaagg gcagcggcag gctccccgcc ggctcgcgt 300
ccgcaaccgg ctcaaccgcc gccaacgcgc cggcggcctt gaaagcttct gcttataagg 360
atgagtgggt ggtatngtcg tgtgttccac aagaccactg ggatcaagaa gaccaccact 420
gctgcaccgg cgtaccaggt ggccatggcc ggcgctgaga tggatcagaa tcagaacaac 480
atccccctcc ccatgccgat gcaattttcc atgctgcccg acttctcctt ggacccggtg 540
ccccctact acccgtaccc cagcccatga gcttctacca ccagatgggc acggggactg 600
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cttgcgctgg cgngcttcga tgtttct

627

<210> 11840

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B5

<400> 11840

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gcaggggttca tcaaagagaa ctggctgtat ggtagcaatt gttgctgctg taggaaggca 180
gtgaccaatg ggtaggcac tgctagtga ttaagtaact gttgtcgctg ttgtaggtac 240
gcagcagagt tcgacacagt cagttggttg aatggaagca gctgttgcaa gtaggcagca 300
gggtttgccca cagctagctg agtcagagct ggtacaatct gttgcagcaa ttgttggtgc 360
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aggtaggcgg caggggtcac catggctagt tgactgagcg ctggcagaaa ctgttgcaat 480
tggttggtgtt gttggtatgc agctacgttt gccagagcaa gtgggttgga tgcaagcacc 540
tgctgttgca agtaggcgac aggggttcacc acatctagtt ggctcagtgc tggtaggaac 600
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<210> 11841

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-B6

<400> 11841

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ctaccaagat attatccctc cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt 120
tcattattcc acaatgctca cttgctccaa gttccattat tacacagttc ctcccaccag 180
ttacttcaat gggcttcgaa caccagctg tgcaagccta taggctacaa caagcaattg 240
cggcgagcgt cttacaacaa ccaatttccc agttgcaaca acaatccttg gcacatctaa 300

caatacaaac catcgcaacg caacagcaac aacaattcct accagcactg agccacctag 360
ccatggtgaa ccttgccgcc tacttgcaac agcagttgct tgcatacaaac ccacttgctc 420
tggaacacgt agttgcaaac cagccacaac aacagctgca acagtttctg ccagcgctca 480
gtcaactagc catggtgaac cctgccgcct acctacaaca gcaacaactg ctttcatcta 540
gcccgcctgc tgtggccaat gcacctacat acctgcaaca acaattgttg caacagattg 600
taccagctct gactcagcta gttgtggcaa accctg 636

<210> 11842
<211> 684
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-086-Q1-K6-B7
<400> 11842

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ttgcgcgagg ccgcggatgt acgcggcggc gtccctgcac gcccttgcgga tctcggtcga 180
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gatgaccggc ggcgcggcgg cgggggcagc ggcggggcgg ggcgcggcga cggccgcgca 660
cacgacgagc agcgccgcga acag 684

<210> 11843
<211> 642
<212> DNA
<213> Zea mays
<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-B8

<400> 11843

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caatgtctcac aagctcctat agcttccctt cttccccctg acctctcacc aacgggtgtct 180
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ccccagcaat ttcttccatt caaccaactg acagcattga actctcctgc ttatttacag 540
cagcaacaac tactaccatt cagccagcta ngctgggtgtg agccctgcta ccttcttgac 600
caaccacagt tgttgccggt ctacagcacg ctgcgcctaa cg 642

<210> 11844

<211> 638

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C12

<400> 11844

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caacaatcct tggcacatct aaccctacaa accattgcaa cgcaacaaca acaacaacaa 180
cagtttctgc catcactgag ccacctagcc gtgggtgaacc ctgtcaccta cttgcaacag 240
cagctgcttg catccaaccc acttgctctg gcgaacgtag ctgcatacca gcaacaacaa 300
cagctgcaac agtttatgcc agtgctcagt caactagcca tgggtgaaccc tgccgtctac 360
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cagttgctgc aacaaattgt accagctctg actcagctag ctgtggcaaa ccctgctgcc 480
tacttacaac agttgcttcc attcaaccaa ctgggtgtgt caaactctgc tgcgtaccta 540

caacagcgac aacagttact taatccattg gcagtggcta acccattggc cgctaccttc 600
 ctgcagcagc aacaacaatt gctgccatac aaccagtt 638

<210> 11845
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-C2

<400> 11845

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 ctgcatactc gctctggggc tgtacaggat cggaagcgt gatgtgccag tctacgatgg 180
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 gtgtttgcga caggctgaac cgattttatc gagcactgga agcattgtat tcgctactgg 360
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 aaa 423

<210> 11846
 <211> 601
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-C3

<400> 11846

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 caatgtcac aagctcctat agcttcctt cttccccgt acctctcacc agcgggtgtct 180
 tcggtatgtg aaaaccaat tcttcaacc tacaggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag cctattaca gcagttacct 300
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aaccttgctg cctactctca gcaacagcag tttcttccat tcaaccaact agctgcattg 420
aactctgctt cttatttgca acaacaacaa ctaccattca gccagctacc tgttgccctac 480
ccccaacaat ttcttccatt caaccaactg gcagcattga actctcctgc ttatttacag 540
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c 601

<210> 11847
<211> 509
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-C4
<400> 11847

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tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa ccccgctgct 180
tatttgagc agcaaatact actaccattt agccagctag ctgcagcaaa ccgtgcttcc 240
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ctcttacaac tacaacaatt gttgcccttt gtccaacttg ctttgacaga ccgagcggcc 360
tcttaccac aacacatcat ttgggtgtgc cctcttttag attgcttatt agttgtaatt 420
caataataaa gttttttgga tgatgtatgt ggccaaccag aaataagaag ttacatttcc 480
agattttaat gtgaaaaaan aaaanaaaa 509

<210> 11848
<211> 680
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-086-Q1-K6-C5
<400> 11848

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ctggtgagat caagaaggca gtggagaact cccctttcct ggagaagctg aagaagaggg 180
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 gaaatcaacc cggagaaccc aatcatggat gagctccgta agcgcgccga ggctgacaag 600
 aatgacaagt cagtcaagga tcttgatgat ttgctgttcg agacagctct nctgacctcc 660
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<210> 11849

<211> 563

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C6

<400> 11849

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 tgcacccggg cgacctgtgc ttcaagctcc ccgacggggg gagcctgtag gaggcgcca 480
 tgtgcgagcc gctgagcgtg ggcgtgcaca cgtgccgccc cgcggggggg ggggcccag 540
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<210> 11850

<211> 586

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C7

<400> 11850

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ccaccaggag ctgcgtcgaa tgccgcgcca ccaccacgcc catgtggcgc agcggcccga 180
ccgggcccag gtcactttgc aacgcctgtg ggatccggtg ccgaaaaaag aggaggcaag 240
agcttggcct agaccgcaag ctgcagcaac aacaaaataa tggcgaggcg aagacggatg 300
aagcaaaaga cagctctagc aacagcagca gcgggagcag caacttgcag gtggtgcaga 360
aacggaggct gctaattggga gtggaggagg ctgctctgct gctgatgacc ctatcttctt 420
cgccacatc cacgttgctt catggataag gaccctctc caacgccaga tcagcagtgt 480
acatacaacg taccctctgc acagtgactg ccgaacgatt gcaggcctat ctcagggttg 540
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<210> 11851

<211> 593

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-C8

<400> 11851

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cctccgtctg atggaggacc cggacaagcg cgaccagggt cggcgggagc atgtctacaa 180
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cgccggccgt cgggaccctt acgacgacct catcgcccgc cactctggct cgccgccgtc 360
ttcctgaaca cccgttccga tccttgccca gaaggtctac ttgggcatca ataagaaact 420
ctttccctc aaactgattg tggttccatc ctcttctgtc tggaaaatgt tgtcaccaaa 480

ctaccctatt tctgttcca gtttggcatg gaagtataag ttgtgtactt ctattctcaa 540
gttgttgtct ttgtattatg aaatgntcc aataatcagc agtttttgat gta 593

<210> 11852

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-C9

<400> 11852

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gcagccaaaa tattttgcct ccttatgctc cttggtatgt ctgcaagtgc tgctacggcg 120
accattttcc cgcaatgctc acaagctcct atagcttccc ttcttcccc gtacctctca 180
ccagcgggtgt cttcggtatg tgaaaacca attcttcaac cctacaggat ccaacaggca 240
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cagcagttac ctttggtgca tttattggca caaaacatca gggcacaaca actacaacaa 360
cttgtgctag caaaccttgc tgctactct cagcaacagc agtttcttcc attcaaccaa 420
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cctgttgctc accccaaca atttcttcca ttcaaccaac tggcagcatt gaactctcct 540
gcttatttac agcagcaaca actactacca ttcagccagc tagctgggtgt gagccctgct 600
accttcttgc acaaccacag ttgttgccgt tctaccagca 640

<210> 11853

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-D10

<400> 11853

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oggcgctgct gcacaacccg agcgaccgcg ccgtgggtgt ctacgacggc ctcttcgcct 180
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gcccggggcg cgacgtggcg ctgtcgccgc atttcggcct tggcggcgcg gtgcccgtgc 300
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 acgacggagc cggggacgtg ccactgctcg agtaccctaa gtgctccgtc gacgcttgag 540
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<210> 11854

<211> 515

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D11

<400> 11854

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 gggcaatgca cctacatacc tgcaacaaca attggtgcaa cagattgtac cagctctgac 180
 tcaactagct gtggcaaacc ctgttgccct cttgcaacag ctgcttccat tcaaccaact 240
 gactctgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccattggc 300
 agtggctaac ccattggctg ccgccttcct acagcagcaa caattgctgc catacaacca 360
 gttctctttg atgaatcctg tcttgtcgag gcagcaaccc atcgttggag gtgccatctt 420
 ttagattaca tatgagatgt actcgataat ggtgccctca taccgacgtg tgtttcctag 480
 aaataatcaa tatattgatt gagatttatc tcgat 515

<210> 11855

<211> 529

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D12

<400> 11855

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tgtgactcac ccagaactga agtgcacttt caaccttgac ataatttctg tgaagaaaaa 120
 cccaaatggt ccgatgtaca cttctcttgg tgttatgaca aggggaacaa tcattgaggt 180
 aaatgtcagt gagcttggtc tggtaactcc cgctggaaaa gttgtttggg ggaaatatgc 240
 tcaagttaca aacaacccgg agaatgatgg gtgtatcaat gctgttttgc tagtgtagaa 300
 ccatagttag attttgttta tggatgatgaa tcgtccatt tgtatctgct cttgataaga 360
 tgctcccttt tgaccgatct catggctatt cccaggagtt tgttttgcac cgtgggtccat 420
 gggcgagcat tctatatact tgctatgtgc gacaagccga caaatgactt ggctattata 480
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<210> 11856
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-D3
 <400> 11856

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 ggctaccgga ctaccagcag ttagtggcta accccgcaac cctctgacaa ctgcaacagt 180
 tgctgccctt agtccaactt gctttgacaa acccagcagc cttctacaca acaacacatc 240
 attggcggag ccatctttta gattgcttat tagttgcaat tcaataatga agatttttgg 300
 ctgatgtatg tggcctacta gaaataagaa gctacattgc caaattctaa tgtgctattg 360
 gcctgcaagg ggtgttagat aattattttc cctaagattg ggaagcaagc tataaatcat 420
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<210> 11857
 <211> 635
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-D4
 <400> 11857

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 cagaaggatc ctcccacctc ttgcagcgca ggccctgttg ccgaagatat gttctactgg 180
 caggcgacga ttatggggcc atcagatagc ccatacgctg gtggcgattt tttggtcact 240
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 agccctgca'c tgacagtttc taaggtcctc ctctcaattt gtcccttct gacggaccca 420
 aaccctgacg atccgttggg cccagagatt gctcacttgt acaagactga tcgcgtgaag 480
 tacgaatcga ctgctaggag ctggactcag aaatatgcaa tgggctgaca agctattggg 540
 ctctcgtaga cctaaagcac gtactgcctt ctgtaactga aaccagatgt ctaaattaat 600
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<210> 11858

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D5

<400> 11858

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 ctctgctgct tatttgcaac aacaattacc attcagccag ctagtgtctg cctaccccca 120
 gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt tacagcagca 180
 acaactacta ccattcagcc agctagctga tgtgagccct gctgccttct tgacacaaca 240
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 acaattgctg tcattcaacc aacttgcttt gacaaacca acagtgttct accaacaacc 360
 catcattggg ggtgccctct tttagattgc ttatgagtta tagttcaata atgaagtttt 420
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<210> 11859

<211> 647

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D6

<400> 11859

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cttccaagac attatccctc cttgcgcttc ttgccctttt tgtgagtgc acaaatgcgt 120
tcattattcc acaatgctca cttgctccga gtgccattat tccacagttc ctccctccag 180
ttacttcaat gggcttcgaa caccagctg tgcaagccta taggctgcaa caagcgcttg 240
cggcgagcgt cttagaacaa ccaattgccc aattacaaca acaatccttg gcacatctaa 300
ccatacaaac catcgcaacg cagcagcaac aagcactgag ccacctagcc gtgggtgaacc 360
ctatcgcta cttgcaacaa cagctgcttg catccaaccc acttgctttg gcaaacgtag 420
ctgcatacca acaacaacaa cagttgcaac agtttctacc agcgctcagt caactagcca 480
tggtgaaccc tategcctac ctacaacagc aacaacttct ttcacttagc ccgctcgcta 540
tgggcaatgc acctacatac ctgcaacaac agttgttgca acaacagttg ctgcaacaaa 600
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<210> 11860

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-D7

<400> 11860

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caattttccc tcaatgctca caagctccta tagctttcct tctttcccca tacctttcat 180
caatgatagc tttagtatgt gaaaaccag ctttttagcc cttttgggtt caacaaggaa 240
ttgcaggaag gaacatacct ttattaccct tgttggttta acaattgcca gccctatattt 300
tgggggagtc attggttcaa accattaagg gacaacagct ggaggaactc gtgcttcctg 360
tgatcaaaca aatagctctt ggaaaacttt cttccttctt ttaagaacaa caatttcttt 420
catttaaaca actgtctata ctgaaccctg ctgcttattt gcagcaacaa cta 473

<210> 11861

<211> 635
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-086-Q1-K6-D8

 <400> 11861

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aggcaatcgc aacaggcatc ttaccattat cacccttggt cctccaacaa ctgtcagccc 180
tattacagca gttacctttg gtccatttgg tggcacaaaa catcagggca caacaactac 240
aacaacttgt gctagcaaac cttgctgcat actctcagca acatcagttt cttccattca 300
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ctgcttattt acagcagcaa caactactac cattcagcca gctagctgat gtgagccctg 480
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<210> 11862
 <211> 623
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-086-Q1-K6-D9

 <400> 11862

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ggctcggcct gctcgctcgg gctcgcccgc ggcggcgctt cggcgctgctt gctcggggcg 180
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tcggggcggc ggcacggagc ctgcgcgctt gcccgcggca gctgctcggg ctcgcccgcg 420
  
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gcggcggttc ggcgagcttg ctcggggcgg tggcacggag catgcgcgct tgccctgcggc 480
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cagagcggtg tcgcggtagt ttggcctgct tcagctgcgg tgcgcgggtg gctggctttt 600
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<210> 11863

<211> 626

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E1

<400> 11863

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tcattattcc acaatgctca cttgctccta gtgccattat tccacagttc ctcccaccag 180
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<210> 11864

<211> 629

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E11

<400> 11864

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caatgctcac aagctcctat agcttccctt cttcccccat acctctcacc agcgggtgtct 180
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 aaccttgctg catactctca gcaacatcag tttcttccat tcaaccaact ggctgcattg 420
 aactctgctg cttatttgca acaacaatta ccattcagcc agctagttgc tgccatcccc 480
 cagcaatttc ttccattcaa ccaactagca gcattgaaact ctgctgctta tttacagcag 540
 caacaactac taccattcag ccagctagct gatgtgagcc ctgctgcctt cttgaccaac 600
 aacagttggt gccgttctac ctgcacgct 629

<210> 11865

<211> 636

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E12

<400> 11865

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<210> 11866

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E2

<400> 11866

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<210> 11867

<211> 667

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E3

<400> 11867

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<210> 11868

<211> 502

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E4

<400> 11868

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<210> 11869

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-E5

<400> 11869

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 ctcaattgct cctagtgcc gtattccaca gttcctcca ccagttactt caatgggctt 180
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acaaccaatt gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc 300
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acctacgtac ctacaacaac agttgctgca acaaattgta ccagctctga ctcagctagc 600
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<210> 11870

<211> 145

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-E7

<400> 11870

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aaattgaact ggagaatctt ttagtagaaa gcaggtgaga aaatgcctna actnctcgat 120
tgtnttaatn agnatatttt ttttt 145

<210> 11871

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-E9

<400> 11871

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gccggcgggc tgtacccta cgcggagtac ctgaggcagc cgcagtgcag cccgctggcg 180
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cagtgtgcc agcagcagat gaggatgatg gacgtgcagt ccgtcgcgca gcagctgcag 300
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atgcagcagc agcagcagct gctggcagcc caggggtctca accccatggc catgatgatg 420
 gcgcagaaca tgccggccat ggggtggactc taccagtacc agctgcccag ctaccgcacc 480
 aaccacctgtg gcgtctccgc tgccattccg cctactact gattcatgat atttgggaaa 540
 tctcctctat ccatctctct ctatctatat atgtaataat gcagtaagac gacacacatt 600
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<210> 11872
 <211> 659
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-F1

<400> 11872

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 ttcattattc cacagtgtc acttgctcct agtgccagta ttccacagtt cctcccacca 180
 gttacttcaa tgggcttcga acatccagcc gtgcaagcct acaggctaca actagcgctt 240
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 ctagccgtgg tgaaccctgt cacctacttg caacagcagc tgcttgcatc caaccactt 420
 gctctggcga acgtagctgc ataccagcaa caacaacagc tgcaacagtt tatgccagtg 480
 ctcaagtcaac tagccatggt gaaccctgcc gtctacctac aactactttc atctagcccg 540
 ctgcggtgg gcaatgcacc tacgtaccta caacaacagt tgctgcaaca aattgtacca 600
 gctctgactc agctagctgt ggcaaaccct gctgcctact acaacagtnt gcttcattc 659

<210> 11873
 <211> 632
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F10

<400> 11873

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gtattttctgc aagtgtgtct acggcgacca ttttcccga atgttcacaa gtcctatag 120
cttcccttct tccccgtac ctctcaccag cggtgtcttc ggtatgtgaa aaccaattc 180
ttcaacccta caggatccaa caggcaatcg cagctggcat cttaccttta tcacccttgt 240
tctccaaca atcatcagcc ctattacagc agttaccttt ggtgcattta ttggcacaaa 300
acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgcc tactctcagc 360
aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct tatttgcaac 420
aacaacaact accattcagc cagctacctg ttgcctaccc ccaacaattt cttccattca 480
accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta ctaccattca 540
gccagctagc tgggtgtgagc cctgctacct tcttgacaca accacagttg ttgccgttct 600
accagcacgc tgcgcctaac gctggcaccc tc 632

<210> 11874

<211> 658

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F11

<400> 11874

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atcctcaagc ctgccattag attcatctac tgatagcgag agaaggaaat tatctcctgt 180
gtattgttct catagcatag gagatgattc acaacaatca catggcgagg cacaagtgga 240
tatgttttgg cagcagaacg tgccattgtc cccaatgga tcaacatttc cttcatctcc 300
ttcaaccaat tcagataatt atcctgtttc ttggttttgt ttctctccta agacgcatgg 360
aaccggcaca tacattccca atgtgagtta tcaaacatac agggagcgta tcatgcttga 420
aagagatacc atacgagcaa gaaaacaaag acagaggtta cctggctgcc ggtattactc 480
agccgagcaa ggattttccg gttcaciaac cgaagaagac accatagctc aaagtgaac 540
gaaccaatcg cccaagaagc aaaacagtgt gcagcagagt ggctattcag gcaagagcac 600
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<210> 11875
 <211> 565
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F12

<400> 11875

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cacaatgctc acttgctcct agtgccatta taccacagtt cctccgacca gttacttcaa 180
tggtgcttga acacctatct gtgcaagcct acaagctaca acaagcgctt gcggcgagcg 240
tcttacaaca accaattaac caattgcaac aacaatcctt ggcgcatcta accatacaaa 300
ccatcgtaac acaacagcaa caacagttcc taccagcact gagccaacta gatgtggtga 360
accctgtcgc ctacttgtaa cagcaggtgc ttgtattcaa cccacttgct ctggcaaacg 420
tagctgtata ccaacaacaa caacaattgc aacagtttct gtcagcgctc agtcaactag 480
ccatggtgaa ccctgccgtc tacctacaac aggaacaact gcttttatct agccctctcg 540
ttgtgggtga tgcacctaca tacct 565
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<210> 11876
 <211> 666
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-086-Q1-K6-F3

<400> 11876

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ttccctcaat gtcacaagc tcctatagct tcccttcttc ccccatacct tccatcaatg 180
atagcttcag tatgtgaaaa ccagctctt caaccctata ggctccaaca agcaatcgca 240
gcaagcaaca tacctttatc acccttggtt caacaatcgc cagccctatc tttggtgcag 300
tcattggtac aaaccatcaa ggcacagcag ctgcagcaac tcgtgctacc tgtgatcaac 360
caagtagctc tggcaaacct ttctccctac tatcagcaac aacaatttct tccattcaac 420
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caactatcta cactgaaccc tgctgcttat ttgcagcaac aactattacc attcagccag 480
ctagctactg cctactctca tcaacaacaa cttcttccat ttaaccaatt ggccgcactg 540
aacctcgctg cttatttgca gcagcaaata ttactaccat ttagccagct agctgcacna 600
agccgtgctt ccttcttgac cagcaacagt tgctgccttt ctccagcagt ttgcggctac 660
cccgca 666

<210> 11877

<211> 509

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-F8

<400> 11877

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acaactacca ttcagccagc tacctgctgc ctacccccag caatttcttc cattcaacca 180
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<210> 11878

<211> 679

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G1

<400> 11878

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accagctgt gcaagcctat aggctacaac aagcaattgc ggcgagcgtc ttacaacaac 180

caatttccca gttgcaacaa caatccttgg cacatctaac aatacaaacc atcgcaacgc 240
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 acccattggt cgctgcctt 679

<210> 11879
 <211> 83
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G11

<400> 11879

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 ggaagggagg aagaaagcgg atc 83

<210> 11880
 <211> 620
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G12

<400> 11880

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 ctacgcgagg ggggccgtac ccagcggcgc atccactgga atatatgagg ccttgagatt 180
 gagggatgga ggatctgatt atcttgcaa ggggtgttctt aaggctgtca gcaacgtaaa 240
 caacattatt ggaccagcga ttgttgaaa ggacccact gagcaggttg agattgacaa 300
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tggagcaaat gccatccttg cggtttcact tgctgtgtgc aaagctggag ctatggtgaa 420
gaagattcct ctttaccagc acatcgcaaa tcttgctggg aacaaaactc tgggtgctccc 480
tgtacctgcc tttaatgtga ttaatggagg gtcacatgct ggaaacaagc ttgccatgca 540
ggagttcatg atcctcccaa ctggtgcctc ctcgttcaag gaggccatga agatgggagt 600
tgaggtgtac cacaacctga 620

<210> 11881

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G2

<400> 11881

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tccctcaatg ctcacaagct cctatagctt cccttcttcc cccatacctt ccatcaatga 180
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caagcaacat acctttatca cccttggtgt ttcaacaatc gccagcccta tctttggtgc 300
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accaactgtc taaactgaac cctgctgctt atttgcagca acaactatta ccattcagcc 480
agctagctac tgcttactct cagcaacaac aacttcttcc atttaaccaa ttggccgcac 540
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<210> 11882

<211> 650

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-086-Q1-K6-G4

<400> 11882

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 tcttcggtat gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagct 240
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 cagcagcaac aactactacc attcagccag ctagcttggT gtgagccctg ctaccttctt 600
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<210> 11883

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-G8

<400> 11883

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 ggcgatcttc ggcttggTcc tccagtccat cctgcagcag cagccgcaaa gcggccaggT 180
 cgcggggctg ttggcggcgc aaatagcgca acaactgacg gcgatgtgcg gcttgaaca 240
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 gtagtatagc cgctggctag ctagctagtT gagtcattta gcggcgatga ttgagtaata 360
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<210> 11884

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H10

<400> 11884

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accatcaatg tgcggcttgt accactcata ctacccaaaat aatccatgca gcagcaatga 180
cattagtggg gtttgcaatt gaagaattgt gtctacctag ccgttatact catataacgg 240
tgttaagcaa taaagtacca tacatttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaatttta aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaggggg gcccggttt aaaggataaa aatttaatta ggaggggttg 420
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<210> 11885

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<212> DNA

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<223> Clone ID: LIB3061-086-Q1-K6-H11

<400> 11885

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atgtcaagac atggttcaac cagcccgcgc gcaagcagag gcgccgcac gcacgtcaaa 180
agaaggctgt gaagatatcc ccacgaccaa ctgctggccc tcttcgtccc attgttcaat 240
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tggaggagct taccactgct acccaggtac agggtgacta catgccaatt actcgggtg 540
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<210> 11886

<211> 637

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H12
 <400> 11886

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<210> 11887
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 <212> DNA
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 <223> Clone ID: LIB3061-086-Q1-K6-H2
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atgcacgccc gtggggtcgc cttcatggtg gacaactgct ccacaacggc tcgcctggga 540
 tccaggaagt gggcgctcg cttcgactac atcctgacgc agcaggcctt cgtggcggtg 600
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<210> 11888
 <211> 650
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H3
 <400> 11888

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<210> 11889
 <211> 646
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-086-Q1-K6-H4
 <400> 11889

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 aatgcaccta catacctgca acaacagttg ttgcaacaac agttgctgca acaaattgta 600
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<210> 11890
 <211> 636
 <212> DNA
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H6

<400> 11891

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<210> 11892

<211> 651

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H7

<400> 11892

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gggttttctg caagtgtgc taccgcaacc attttccac aatgtcaca agctcctata 120

gcttcctttc ttccccata cctctacca gcggtgtctt cagtatgtga aaaccaatt 180

cttcaacct acaggatcca acaggcaatc gcagcaggca tcttaccttt atcaccttg 240

ttcctccaac aaccgtcagc cctattacag cagttacctt tgggtgcattt gttggcacia 300

aacatcaagg cacaacaact acaacaactt gtgctaggaa accttgctgc ctactctcag 360

caacagcagt ttcttccatt caaccaactg gctgcattga actctgctgc ttatttgcaa 420

caacaactac catteagtca gctagctgct gcctaccccc agcaatttct tccattcaac 480

caactggcag cattgaactc tgctgcttat ttacaacagc aacagctacc accattcagc 540

cagctagctg atgtgagccc tgttgcttct ttgacacaac aacagttgtt gccgttctac 600

ctgcacgctg cgcctaacgc tggcacctc ttacaactgc aacaattgct g 651

<210> 11893

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-086-Q1-K6-H8

<400> 11893

gaatgaatgc tgggcatact gaatcttctg gcagctacct ggcggacttg gaagatgaaa 60

tggcatcgac tggtttgctc gctttgtgta gaaaaggggt agtgatatgt tcatttttat 120

tgccgtttgt ttggcctttt ttaccagata attacaattc ataagctact actgttgtgg 180
 aatgagtagc aaattttata tgtattctca gaagttcaag acttgcaata tgtaggaaa 240
 acaaaagact gcactgtata tagtttaatc ttttgatgta cggtagctgg acaacttgat 300
 gctgctgtct tgtggcacag gcacacagct agatggcatt atgtatggtg atcactgatc 360
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<210> 11894

<211> 653

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A10

<400> 11894

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 ccagcccggt tctttgcgtg cggttgatct cgtcggaggg ccggccgcgg ttccccaatc 120
 cgccatcgaa ttcgatggcg gccaacgccg ggaataagat ccgcaacgcc aagctggttc 180
 ttcttggaga tgtgggcgct ggcaaactca gcttggttct tcggtttggt aaggacagt 240
 ttgttgaatt ccaggaatca acaattggag cagccttctt ttcccagacc ttagcgggtca 300
 atgatgagac tgttaagttt gaaatctggg atactgccgg gcaggagagg tatcatagct 360
 tggctcccat gtactatagg ggtgcagctg ctgccattgt tgtctatgac atcaciaatc 420
 cggcctcctt caccctgtcc aagaaatggg ttcaagaact tcaagctcaa ggaaatcaga 480
 ataccatagt ggctcttgct ggaaacaagg ctgatatgct agatgcgagg caggtgccag 540
 cagaggaagc aaaggcgtat gctcaggaga atgggctctt cttcatggag acatctgcta 600
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<210> 11895

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A11

<400> 11895

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 catcaatgtg aaggccaaca acaacatcac caacaatcac aaggccatgt gcaacaacac 120
 gaacagagcc atgagcaaca ccaaggacag agccatgagc aacaacatca acaacaattc 180
 cagggtcatg acaagcagca acaaccacaa cagcctcagc aatatcagca gggccagnga 240
 aaaatcacaa cagcaacaat gtcattgcc a ggagcagcaa cagactacaa ggtgcagcta 300
 taactactat agcagtagct caaatctaaa aaattgtcat gaattcctaa ggcagcagtg 360
 cagccctttg gtaatgcctt ttctccaatc acgtttgata caaccaagta gctgccaggt 420
 attgcagcaa caatgttgct atgatcttag gcagattgag ccacaatata ttcaccaagc 480
 aatctacaac atggttcaat ccataatcca ggaggagcaa caacaacaac catgtgagtt 540
 atgtggatct caacaagcta ctcaaagtgc ggtggcaatc ttgacagcag cacaatacct 600
 accatcaatg tgcggcttgt accactcata ctacc 635

<210> 11896
 <211> 378
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A3
 <400> 11896

tcgtatccct cccagaccaa ttcattcagc acctcattac aagcagacta ccatttggtc 60
 gcattctatt ggcacacaac atcagggcac aacaactaca acaacttggtg ctagcgagcc 120
 ctgctacctt cttgacacaa ccacagctgt tgccgttcta ccaccagct gctcctaacg 180
 ctggcacccct cttacaactg caacaatagc tgccattcaa ccaactagct gtgacaaacc 240
 tagcagcggt ctaccaacaa cccatcattg gtgggtgccct cttttagatt acttatgagg 300
 aatagtacaa taataataga atttgtctga tgatgggtggc tgcccaccaa taataaaata 360
 catctctagt agaataat 378

<210> 11897
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A4

<400> 11897

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gtgccattat tccacagttc ctcccaccag ttacttcaat gggcttcgaa catccagccg 120
tgcaagccta caggctacaa ctagcgcttg cggcgagcgc cttacaacaa ccaattgccc 180
aattgcaaca acaatccttg gcacatctaa ccctacaaac cattgcaacg caacaacaac 240
aacaacaaca gtttctgcca tcaactgagcc acctagccgt ggtgaaccct gtcacctact 300
tgcaacagca gctgcttgca tccaacccac ttgtcttggc gaacgtagct gcataccagc 360
aacaacaaca gctgcaacag tttatgccag tgctcagtea actagccatg gtgaaccctg 420
ccgtctacct acaactactt tcatctagcc cgctcgcggt gggcaatgca cctacgtacc 480
tacaacaaca gttgctgcaa caaattgtac cagctctgac tcagctagct gtggcaaacc 540
ctgctgccta cttacaacag ttgcttccat tcaaccaact ggctgtgtca aactctgctg 600
cgtaacctaca acagcgacaa cagttactta at 632

<210> 11898

<211> 477

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-A6

<400> 11898

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aaccaactgg ctgcattgaa ctctgctgct tatttgcaac aacaactacc attcagtcag 120
ctagctgctg cctacccccca gcaatttctt ccattcaacc aactggcagc attgaactct 180
gctgcttatt tacaacagca acagctacca ccattcagcc agctagctga tgtgagccct 240
gttgcccttct tgacacaaca acagttgttg ccgttctacc tgcacgctgc gcctaacgct 300
ggcaccctct tacaactgca acaattgctg ccattcaacc aacttgcttt gacaaacca 360
acagcgttct accaacaacc catcattggt ggtgccctct tttagattgc ttatgagtta 420
tacttcaata atgaagtttt ttggatgatg tttgtggcctt cccagaaata aganngt 477

<210> 11899

<211> 471
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-A7
 <400> 11899

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cggggtcgacc cagcgtcggt ccaacttgtt ttgacaaacc cagcacctcc taccâacaac 60
acatcattgg tggtgccctc ttttagattg cttattagtt gtaattcaat aataaagttt 120
tttgatgat 'gtatgtggcc aaccagaaat aagaagttac atttccagat tctaattgtga 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaa aaaaaaaaaa aaaaaaaag gggggaagat ataaaaaaaa aaaaaaaaaa 300
aaaaaaaaag aaagaaaaaa aaaaaaactt ttttattggg taaaacaaaa taaattaccc 360
atggtcggtg ggttttacia cgatatccac tgtgtaaaac acctggggta ccaaattaaa 420
tggttttgcg gaacaccctt ctttacacag gtgccgtctt aatgaaaagg g 471
  
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<210> 11900
 <211> 304
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-A9
 <400> 11900

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ccccaccaca cgcgagcggg ccgagggcag cgacaacggg accaaccaca ggcgcgcgcc 180
ccccgccagc acgcggcgcc ccacgcgcgg ccgccaccac agcgggaaca agggccgcgc 240
accaaccagc caccncggcc acaccgaccg gcgcgcgccc accaccccg ccccgggggg 300
gccc 304
  
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<210> 11901
 <211> 657
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-B1

<400> 11901

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ccgttgaagc agttcttccc agcaaggatg atctgaggaa gaccattact gaaatcctca 120
agaaagttga cttcaacacg gcaactttca gtgacatcct taagaagctt gacaatcact 180
ataaaatgga tctggcccca aagaaagaag ccatcaaagt tatgatccaa gacgagttaa 240
ccaagttatc agaggaggac gaaggagagg gagccggaga caccgagaag aaacagcagc 300
agcctcaggc gaaggagatc gaggcattgag gattcgtgga accccatagc tgtagtagcc 360
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attatcgccg caccaactcg agaacctcac ccctgatcgt gtatgttatg gggcatgatg 480
tgtaggcagc ctccacacct ttttagctga ctgatcggag agttactcct aggcaactct 540
tgtttctaga tttgcaaagtg gtgtctgaaa ctctgcgttt gctgcggcag aacgtgtact 600
taattgttcg tgataggtct gaatacacat ggatggatc agtctgtagc ttattttt 657

<210> 11902

<211> 535

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-B10

<400> 11902

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ctgcggtgca cctttatata gcactccctg tgggtggttg tctcatcgct ttaataacat 120
caacatttca gcttccatca atcatgcatg actcattnat agcaggaaac aatggcgcg 180
ggggtgctgg agagaaagcg atcaagtctg tttctcgtgg gttgctagat ggtgaaggct 240
caagtcatgc tagtactgat gattcagtaa gtgtgaggaa cagtgggtgac ttgtatgaag 300
ctttaacaac tatctcgccc tctgggagac gttgtgcccc acatcaattt tgccaattgg 360
aaaatggtgg ggtggctgtg agacatgcca cattcgtgtc acaccatggg atgccacaa 420
agcaggtcac aagcaggtct taccactctt ttgtagatgc ttagtgctgc agtgagtttt 480
caggaagctt cctgccgccc tttgagcata atgcttactc tatctgctgg ctttg 535

<210> 11903
 <211> 529
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations.
 <223> Clone ID: LIB3061-091-Q1-K6-B12

<400> 11903

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 gctcctgctc tcacactacg acggcgggac gacgacgacg atggtggcgg aggcccggtt 180
 gtgcatgggc aagagccagc accactcgtt cccctgcac tccgaccgcc tctgcagcaa 240
 cgagtgcgtc aaggaggacg gcgggtggac cgccggctac tgccacctcc gctactgcag 300
 gtgccagaag gcgtgctaag caaagctctt caaacaccct tggtttgcca gaactgaact 360
 ctagtagtac taagtaacac ccttggctag ctgtgcacaa cctacgtacc gtgcatgcat 420
 gtaatgtggt gtcattgaac gtgacagcaa taaatagtat taataataat aacacggcat 480
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<210> 11904
 <211> 634
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-091-Q1-K6-B2

<400> 11904

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 tggtttccaa gacattatcc ctcttgccg ttcttgccct ttttgtgagt gcaacaaatg 120
 cgttcattat tccacaatgc tcaattgctc cgagtgccat tattccacag ttcttcctc 180
 cagttacttc aatgggcttc gaacaccag ctgtgcaagc ctataggcta caacaagcgc 240
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 taaccatata aaccatcgca acgcagcagc atacaagcac tgagccacct agccgtggtg 360
 aaccctatcg cctacttgca acaacagctg cttgcatcca acccacttgc tttggcaaac 420

gtagctgcat accaacaaca acaacagttg caacagtttc taccagcgct cagtcaacta 480
gccatggtga accctatcgc ctacctacaa cagcaacaac ttctttcatc tagcccgtc 540
gctatgggca atgcacctac atacctgcaa caacagttgt tgcaacaaca gttgctgcaa 600
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<210> 11905

<211> 620

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B3

<400> 11905

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gcaaaccctg ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca 180
ttgaactctg cttcttattt gcaacaacaa caactaccat tcagccagct atctgctgcc 240
tccccccagc aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta 300
cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 360
acacaaccac agttgttgcc gttctaccag cacgctgcgc ctaacgctgg caccctctta 420
caactgcaac aattgctgcc attcaaccaa cttgctttga caaaccagc agcattctac 480
caacaacca tcattgggtg tgccctcttt tagatttctt atgagttata gttcaataat 540
aaagtttttt gtctgatgtt tgtggcttcc cagaaataag aaagtcattt ctagattaa 600
aaaaaaaaa aaggcgggccc 620

<210> 11906

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-B5

<400> 11906

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ctcaatgctc acaagctcct atagcttccc ttcttccccc ataccttcca tcaattatag 180
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gcaacatacc tttatcgccc ttgttgtttc aacaatcacc agccctatct ttggtgcagt 300
cattggtaca aaccatcagg gcacaacagc tgcagcaact cgtgctacct gtgatcaacc 360
aagtagctct ggcaaacctt tctccctact ctcagcaaca acaatttctt ccattcaacc 420
aactgtctac actgaacctt gctgcttatt tgcagcaaca actattacca tttagccagc 480
tagctactgc ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga 540
accccgctgc ttatttgcag cagcaaatac tactgccatt tagcgagcta gctgcagcaa 600
gtcgtgcttc cttcttgaca cagcaacagt tgctgcct 638

<210> 11907

<211> 621

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B6

<400> 11907

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gtgggctggg gccaacgagt ccgacagcca ggccgacgac gtcgccaagg gctggctcgg 180
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gttcaggtag catggcaggt acaagcttct catgtgcact gacctgaaa ggctgtccac 600
gagggcaggc gtgtacaagc c 621

<210> 11908

<211> 647

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-B7

<400> 11908

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tctatagct tcccttcttc cccgtacct ctaccagcg gtgtcttcgg tatgtgaaaa   180
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accattcagc cagctagctg gtgtgagccc tgctaccttc ttgacacaac cacagttgtt   600
gcggtttctac cagcacgctg cgcctaacgc tggcaccctc ttacaac               647
  
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<210> 11909
 <211> 117
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-B9

<400> 11909

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<210> 11910
 <211> 658
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-C1

<400> 11910

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accattcagc cagctagctg gtgtgagccc tgetaccttc ttgatacaac cacagttgtt 600
gccgttctac cagcacgctg cgctaacgc tggcaccctt ttacaactgc aacaattg 658

<210> 11911

<211> 583

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C10

<400> 11911

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gcaaacctag cttgctgctg cttttctagc tgagaactga gctgtagctg ttggtacggt 180
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gctcagcatg gtgacagttc ggtgtgggca ctgcacaaat ctactgtcag tgaatctgag 480
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<210> 11912
 <211> 625
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C2

<400> .11912

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ctgccgccgc agcagcagcc gcagccatgg caatacccca ctcaaccacc gcagctaagc 180
ccgtgccagc agttcggatc ctgcggcgtc ggcagcgctg gcagcccgtt cctgggccag 240
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aactatgtac tgtagtaata atgtaatgga gccgctgact agctacctat agggctatag 600
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<210> 11913
 <211> 637
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C3

<400> 11913

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<212> DNA
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<223> Clone ID: LIB3061-091-Q1-K6-C4
<400> 11914

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cagcgacaac agttacttaa tccattggca gtggctaacc cattggctgc tgccttecta 240
cagcagcaac aattgctgcc atacaaccgg ttctctttga tgaatcctgt cttgtcgagg 300
cagcaacca tcgttgagg tgccatcttt tagattacat atgagatgta ctcgataatg 360
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cgat 424

<210> 11915
<211> 638
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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aatgctcgca agctcctata gcttccttc ttccccgta cctctacca gcggtgtctt 180
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<210> 11916

<211> 567

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C8

<400> 11916

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<210> 11917

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-C9

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 cagcagcaac aactactacc attcagccag ctagctgggtg tgagccctgc taccttcttg 240
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 caacaacca tcattgggtg tgccctcttt tagatttctt atgagttata gttcaataat 420
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 <211> 632
 <212> DNA
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 <223> Clone ID: LIB3061-091-Q1-K6-D1
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 ggagaagatc ccaggcggcc acaaggacta cgaccagcat cagcacacca ccgcggaac 540
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<210> 11919
 <211> 612
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D10

<400> 11919

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aacatcaaca tttcagattc catcaatcat gatgactcaa taaaacagaa acaatgtaac 180
tctattgctg gagagaaagc gataaagtct atttctgatg ggttgctaga tagtgaaggc 240
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tcaggaagct ttctgccacc cattgagcat aatgcttact cttctgctgg ctttgттаат 540
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<210> 11920

<211> 96

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D11

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<210> 11921

<211> 648

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D12

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cgttgtcagt cctccttatg tgttcctccc ggtgggtcaag agccagctgc gccaaagagtt 180
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<210> 11922
 <211> 90
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11922

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<210> 11923
 <211> 629
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11923

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<210> 11924
 <211> 525
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<210> 11925
 <211> 624
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<210> 11926

<211> 336

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-D7

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<210> 11927

<211> 82

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-D8

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82

<210> 11928

<211> 492

<212> DNA

<213> Zea mays

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<210> 11929

<211> 642

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E1

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<210> 11930

<211> 435

<212> DNA

<213> Zea mays

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<210> 11931

<211> 553

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E11

<400> 11931

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 <211> 641
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 <213> Zea mays
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 <213> Zea mays
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<210> 11934

<211> 595

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-E4

<400> 11934

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 <211> 640
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 11935

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<210> 11936
 <211> 627
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E7

 <400> 11936

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accattttcc cacaatgctc acaagctcct atagcttccc ttcttcccc atacctctca 180
ccagcgggtgt cttcaatgtg tgaaacccca attgttcaac cctacaggat ccaacaggca 240
atcgcaacag gcattctacc attatcacc ttgttcttcc aacaaccgtc agccctatta 300
  
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cagcagttac ctttgggtcca tttgggtggca caaaacatca gggcacaaca actacaacaa 360
 cttgtgctag caaaccttgc tgcatactct cagcaacatc agtttcttcc attcaaccaa 420
 ctggctgcat tgaactctgc tgettatttg caacaacaat taccattcag ccagctagtt 480
 gctgcctacc ccagcaatt tcttccattc aaccaactag cagcattgaa ctctgctgct 540
 tatttacagc agcaacaact actaccattc agccagctag ctgatgtgag ccctgctgcc 600
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<210> 11937
 <211> 637
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E8
 <400> 11937

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 acaagctcct atagcttccc ttcttcccc gtacctctca ccagcgggtgt cttcgggtatg 180
 tgaaaaccca attcttcaac cctacaggat ccaacaggca atcgcagctg gcattcttacc 240
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 ttcttatttg caacaacaac aactaccatt cagccagcta cctgttgctt accccaaca 480
 atttcttcca ttcaaccaac tggcagcatt gaactctcct gcttatttac agcagcaaca 540
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<210> 11938
 <211> 528
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-E9

<400> 11938

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tcgcggaagc tccacccgag ttgacgccag aagagaatcg gtgccctagg gtgttctcgc 180
agaattatth tccagaagat ttgcagatcg agtcgaaccc tatgccccac gttaagcctg 240
ccgccggcct gcccccttac caccaccggg cgctccctgg ccccgggcag ggtccagttc 300
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ggatgcacct accaccgctg gggcacgggc ccgctccgtt cccctacgac atgctgcctc 420
cgctgcccc accggaggte ctggagcaga agcttgtggc acagcacggg ngaaatgcag 480
aagctgggta tagagaaacg gccgcttgct gcaagccacg cctcgtcg 528

<210> 11939

<211> 622

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-F1

<400> 11939

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tgtgaaaaac ccaattcttc aaccgtacag gatccaacag gcaatcgcag ctggcatctt 120
acctttatca cccttggttc tccaacaatc atcagcccta ttacagcagt tacctttggg 180
gcattttattg gcacaaaaca tcagggcaca acaactacaa caatttgtgc tagcaaacct 240
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gcaatttctt ccattcaacc aactgacagc attgaactct cctgcttatt tacagcagca 420
acaactacta ccattcagcc agctagctgg tgtgagccct gctaccttct tgacacaacc 480
acagttgttg ccgttctacc agcacgctgc gcctaacgct ggcacctctt tacaactgca 540
acaattgctg ccattcaacc aacttgcttt gacaaacca gcagcattct accaacaacc 600
catcattggg ggtgccctct tt 622

<210> 11940

<211> 537
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-F10

<400> 11940

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 ttcttgagcc agccttttct gtcgctgaag ttttcacagg tgctccaggg aagtatgtgg 120
 agctgaagga aagtgtgaag agtttccagg gtgttttggg tggcaagtat gatgacctcc 180
 ctgagcagtc attctacatg gttggaggca ttgaggaagt cattgctaag gccgagaaaa 240
 tcgccaagga gtctgcttca taaggcggct tcttgcttgt tgaatectgt acaatcaagt 300
 tccatTTTTg gatttaagcg attgtttatg cttttgcag ttaggcagga cgagttggag 360
 gtccatctcc tgctgagatg cttgtttttc tctttgttgt tcaaacactt tacacccaaa 420
 taagcaactg cagtgcatt aattttggct gcaccaaagt tacatgaact gaagaaactt 480
 gtggcctgtg tgacgcggat caatcagaac ataaagttac ggcttctggt tggtnna 537

<210> 11941
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-F11

<400> 11941

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 aggaggtttg tggcaggatt tgaccagccc aatggttcca tccgagatgg ggagcgtcgc 120
 caccgcgctc agcacgcctg ctgcggacaa gctgctccat gggcctatct ctggcaagaa 180
 gtgcaagaaa ccaggcccga ggaagattca taaggctgag agggagaagc ttaaacgaga 240
 ccacctaaat gatctctttg ttgagctggg taatatgcta gaagcagata ggcagaacaa 300
 tgggaaagca tgcatactga ctgacactac tcggatacta agagacctgc ttgttcaagt 360
 agactctctt cgaaaggaac atagcgacct acaaaacgaa tctcattatg taacaatgga 420
 gagggatgag atgcaggatg aaaacggcgt gtcgcgcaaa gaaatttcag agcttcaaaa 480
 cgagttgaca atgcgggttt caggcagtc agcagggttg ggccatggca ccgccagatc 540

agatccccct cttcctcact caacggcagt gttctcgctg gagcaggcga tgcaaccacc 600
caccattgca agcgttgat tcccggtgca gc 632

<210> 11942

<211> 633

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F12

<400> 11942

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gtcacaagc tctatagct tcccttcttc ccccgtaact ctcaccagcg gtgtcttcgg 180
tatgtgaaaa cccaattctt caaccctata ggatccaaca ggcaatcgca gctggcatct 240
tacctttatc acccttggtc ctccaacaat catcagccct attacagcag ttacctttgg 300
tgcatttatt ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc 360
ttgttgctta ctctcagcaa caacagtctt ttccattcaa ccaactagct gcattgaact 420
ctgcttctta tttgcaacaa caacaactac cattcagcca gctatctgct gcctaccccc 480
agcaatttct tccattcaac caactgacag ctttgaactc tcttgcttat ttacagcagc 540
aacaactact accattcagc cagctagctg gtgtgagccc tgetaccttc ttgacacaac 600
cacaattggt gccgttctac cagcagctg cgc 633

<210> 11943

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F2

<400> 11943

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tcaatgctca caagctctta tagcttccct ttttccccca taccttccat caatgatagc 180

ttcagtatgt gaaaacccag ctcttcagcc ctataggctc caacaagcaa tcgcagcaag 240
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 attggtacaa accatcaggg cacagcagct gcagcaactc gtgctacctg tgatcaacca 360
 agtagctctg gcaaaccttt ctccctactc tcagcaacaa caatttcttc cattcaacca 420
 actgtctaca ctgaaccctg ctgcttattt gcagcaacaa ctattaccat tcagccagct 480
 agctactgcc tactctcagc aacaacaact tcttccattt aaccaattgg ccgcactgaa 540
 ccccgctgct tatttgcagc agcaaatact actaccattt agccagctag ctgcagcaaa 600
 ccgtgcttcc ttcttgacac agcaacagtt gctgcctttc 640

<210> 11944

<211> 319

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F3

<400> 11944

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 cgttctacca acaaccctc attggtggtg ccctctttta gattttttat tgnactattt 120
 ctcatattgaa atctaagaga gggcgcccc tttgtttggt tgttggtngt gcgtcgggg 180
 ggggggtgtg cttggtgggt gtcgggcggt tnttgtggcc gttgttgttt ggcggtcgcg 240
 tggggggggg ggtgtttctg gtttgggggt ttctgtgcgt ggtgtttggc gttttttgtt 300
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<210> 11945

<211> 602

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-F4

<400> 11945

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ttgctctaca cagaatggca actttgcac gtgacgagct cggccaggaa actctgctga 180
 atcttctcct ccgcaattac ctccactaca acttgtatga tcaggcagaa aagcttagat 240
 caaaggcacc tcgttttgaa gcacattcca accaacaatt ctgccgatac ttgttctact 300
 tgggcaaaat taggacaatt .cagttggagt aactgatgc taaagaaagc ctcttgcaag 360
 ctgctcgtaa ggcaccaaca actgcccgtg gttttcggat ccagtgaac aaatgggcta 420
 tcatagttag gctgctgctt ggtgagattc cagagaggac tgttttcatg cagaaaggaa 480
 tgaagaaagc tctgacacct tattttgagc tcacaaatgc tgtcaggggtt ggggaccttg 540
 aactgttcag gactgtcgtc gacaaatttg caagcacatt cagcgcagac aggactcgca 600
 ac 602

<210> 11946
 <211> 152
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-F5
 <400> 11946

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 gaacaattga aatgaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
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<210> 11947
 <211> 128
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-F8
 <400> 11947

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 tgggtgctcaa ccaagtcatt gagcagctca ataagctcgt caacgttcat agtggtgaag 120
 atctatct 128

<210> 11948
 <211> 626

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G10
 <400> 11948

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 ggcgcgggggt tctacggcaa ctgctactac atcatgcgcg tgtcggcgcc cgcggggaag 180
 gtggcggggcg cctcggtcgc ggaggtggtg aggatgatca aggacgggaa gcgccggatg 240
 cccgcggagt tcgcgcgctg gcgcgcgggg gactcggggc ccggcggcgt cgaccctac 300
 cagatcacgt ccgactaccg cacgtgctg gtgtccgact ggacgcgcct cggcttcgcg 360
 gaggtggact acggatgggg cccgcccgcg cacgtcgtgc cgctgacaaa cctggactac 420
 atcgccacgt gcctcctcgt gaagccctgg gccacaagc caggggcgcg gctcatcacg 480
 cagtgcgtca ccccgaccg cgtcgccgcc ttccacgagg ccatgctcga caccagctgc 540
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 ggtgggaagc cgccgcctac ttacag 626

<210> 11949
 <211> 634
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G11
 <400> 11949

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 tctcgtcgac gaccagtga ttaatcgga tggcggctct ggccacgtcg cagctcgtcg 180
 caacgcgcgc cggcctgggc gtcccggacg cgtccacgtt ccgcgcgggc gccgcgcagg 240
 gcctgagggg ggcccgggcg tcggcggcgg cggacacgct cagcatgcgg accagcgcgc 300
 gcgcggcgcc caggcaccag cagcaggcgc gccgcggggg caggttcccg tcgctcgtcg 360
 tgtgcgccag cgcggcatg aacgtcgtct tcgtcggcgc cgagatggcg ccgtggagca 420
 agaccggcgg cctcggcgac gtctcggcgc gcctgccgcc ggccatggcc gcgaacgggc 480

accgtgtcat ggtcgtctct ccccgctacg accagtacaa ggacgcctgg gacaccagcg 540
 tcgtgtccga gatcaagatg ggagacgggt acgagacgggt caggttcttc cactgctaca 600
 agcgcggagt ggaccgcgtg ttcgttgacc accc 634

<210> 11950
 <211> 358
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-G2
 <400> 11950

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 caacagttac ttaatccatt ggtagtggct aaccattgg tcgccgcctt cctacagcag 180
 caacaattgc tgccatacaa ccagttctct ttgatgaatc ctgtcttgtc gaggcagcaa 240
 cccatcgttg gaggtgccat ctttttagatt acatatgaga tgtactcgat aatggtgccc 300
 tcataccgac gtgtgtttcc tagaaataat caatatattg attgagattt atctcgat 358

<210> 11951
 <211> 210
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-091-Q1-K6-G3
 <400> 11951

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 gcgttctacc aacaacccat cattgggtgggt gtatTTTTTTT ggtgtttgct tttccgggtg 120
 tgggtgcttt ttagttgggt cctgggattg tgTTTTTTTgt tgtggcttct ggttgtgggg 180
 ggggggttgt gtctTTTTTgt gtgcttttgg 210

<210> 11952
 <211> 677
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-G5

<400> 11952

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tgctcacaac actacctctt tccggtgaca gccgtgcgca tttgcaatac cactaactgt 180
atcagattcc tacagtgtgtg acaagcagga ccactctgaa acacagcata ctgtacggaa 240
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gttgcttcca acaatcaatc aactagttgc aaccaacctt gctgcttacc tccagcaaca 420
acaatttctt ccattcaatc aactagctgg ggtgaaccct gctgcttact tgctggcaca 480
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acattagctg ccattatacc cactagctga gggaaacatt aacgccttct tgcacagcaa 660
cagttgctac cattcta 677

<210> 11953

<211> 639

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H1

<400> 11953

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tgctccagcg gcgtttgcat cgcgcgcgca catccaagag ccgccgccgt cgcggccagg 120
ccgggggacga cgaggacgac gacgacggtc gcggcggcgg cggcagagga cgcttctaac 180
gggtcagcgg cggcggccgt cgcagggatc agcagcagca gcagcgcgct ggtgacctcg 240
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cagggctctgc tgaaccagaa gggctgcgtc gtgtggatca ctggcctaag cggttcaggt 360
gaggtctgca agagctgac tcttcacatt taattacgaa caaagatcct tccttttata 420
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cgctcgcat cgcgctgagc cgcgagctgc acggcagagg ccacctcacg tacgtcctcg 540
acggcgacaa cctcaggcac gggctgaaca gggacctcag cttcggagca gaggaccgcg 600
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<210> 11954

<211> 618

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H10

<400> 11954

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atgctcactt gtccttagtg ccattattcc acagtccctc cctccagtta cttcaatggg 180
cttcgaacac ccagctgtgc aagcctacag gctacaacaa gcgcttgagg cgagcgtctt 240
acaacaacca attgcccatt tacaacaaca atccttggca catctaacca taaaaccat 300
cgcaacgcaa cagcaacaac aatttctacc agcactgagc caactagctg tggatgaacc 360
tgtagcctac ttgcaacagc agttgcttgc atccaacca cttgctctgg caaacatagt 420
tgcatacca caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat 480
ggtgaaccct gccgcctacc tacaacagca acaactgatt tcatctagcc ctctcgctgt 540
ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 600
tcagctagct gtggcaaa 618

<210> 11955

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-091-Q1-K6-H3

<400> 11955

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ggatgttgcc gggagcagga aggctgttgc gatccacgtc ccataccgct tgcgtaagga 120
cttcaggaag atccatgtca ggatcgtagc ggagctggag aagaaattca ggggcaagga 180

tgtggttaatt gttgccacaa ggaggatcgt gagggcgccc aagaagggtt cagctgttca 240
 gcgcctcgc accaggactc tgactgctgt ccatgatggc atcctggagg atgttgtctt 300
 cccagctgag attgtgggga agcgtgtcag gtaccgtctg gatggtgcca agatcatcaa 360
 gatcttcttg gacccaaagg agaggaacaa cacagaatac aagctggaca cctacactac 420
 ggtctaccgc aggctgtgtg ggaaagatgt ggtctttgag taccctatgg ccgaaaatgc 480
 ataaatatga cgcccgata tccccatttt attttgttga atctggatgt ttctttgggg 540
 tctcaactag actgctccgt atgtacttca aaaaccatag ttntgatgcc aaagtgtgtg 600
 cctaggaatt tgggtactcg gaattggtag cggacctg 638

<210> 11956

<211> 512

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H5

<400> 11956

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 ggctacggcg gtggcggcg cggctacggt ggcggcggtg gctacggtgg tgggtggtggc 300
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 tgagcgggtg ggcccgcgcg gccaaattat cctgttcgct accgtgatgt ttaccctagt 420
 ccagagggtt tatcttcggt cgtctcgttt gttgttgccc atctgtgttt ttgattgcaa 480
 ggctcgctctg tgtcagttgt tagtgctgtg tt 512

<210> 11957

<211> 640

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-091-Q1-K6-H6

<400> 11957

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 tgcgggtgcc agccaccgcc gccggttcat ctaccgcgcg cggtgcatct gccacctccg 180
 gttcacctgc cacctccggt gcatctccca ccgcgggtcc acctgccgcc gccggtccac 240
 ctgccaccgc cggtccatgt gccgcggccg gttcatctgc cgccgccacc atgccactac 300
 cctactcaac cgccccggcc tcagcctcat cccagccac acccatgccc gtgccaacag 360
 ccgcatccaa gcccgtgcca gctgcaggga acctgcggcg ttggcagcac cccgatcctg 420
 ggccagtgcg tcgagttcct gaggcatcag tgcagcccgga cggcgacgcc ctactgctcg 480
 cctcagtgcc agtcgttgcg gcagcagtgt tgccagcagc tcaggcaggt ggagccgcag 540
 caccggtacc aggcgatctt cggcttggtc ctccagtcca tctgcagca gcagccgcaa 600
 agcggccagg tcgcggggct gttggcggcg cagatagcgc 640

<210> 11958
 <211> 639
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-091-Q1-K6-H9

 <400> 11958

ngaccaagcg aacacattag caacaaccta acaacaatgg ctaccaagat attatccctc 60
 cttgcgcttc ttgcgctttt tgcgagcgca acaaatgcgt tcattattcc acaatgctca 120
 cttgctccaa gttccattat tacacagttc ctcccaccag ttacttcaat gggcttcgaa 180
 caccagctg tgcaagccta taggctacaa caagcaattg cggcgagcgt cttacaacaa 240
 ccaatttccc agttgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 300
 caacagcaac aacaattcct accagcactg agccacctag ccatggtgaa cctgcccgcc 360
 tacttgcaac agcagttgct tgcataaac ccacttgctc tggcaaacgt agttgcaaac 420
 cagccacaac aacagctgca acagtttctg ccagcgctca gtcaactagc catggtgaac 480
 cctgcccctt acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 540
 gcacctacat acctgcaaca acaattgttg caacagattg taccagctct gactcagcta 600

gttgtggcaa accctgctgc ctacttgcaa cagctgctt

639

<210> 11959

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A1

<400> 11959

ttttgattga atctcctgat tatttacagg agcaacaact actaccattc agccagctag 60

ctgggtgtgag ccctgctacc ttnttgacac aaccacagtt gttgccgttc taccagnacg 120

ttgtgcctaa cgctggcacc ctnttacaac tgcaacaatt gctgncattc aaccaagttg 180

gtttgacaaa ccagcagtg ttttaccac aacctatgat tgggtgggtgcc atntttttaga 240

ttatttatga gttatagttg aataataaag tgttttatgt gaaaaaaaaa aaaaaaaaaa 300

aaaggggggt tgggtgtagag ga 322

<210> 11960

<211> 641

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A10

<400> 11960

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acctccacgc atacaagcgg cggctgcggc tgccagccac cgccgcccgt tcatctaccg 120

ccgcccgtgc atctgccacc tccggttcac ctgccacctc cgggtgcatct cccaccgccg 180

gtccacctgc cgccgcccgt ccacctgcca ccgcccgtcc atgtgccgcc gccggttcac 240

ctgccgcgcg caccatgcca ctacctact caaccgcccc ggcctcagcc tcateccacg 300

ccacacccat gcccgtgcca acagccgcat ccaagcccgt gccagctgca gggaacctgc 360

ggcgttggca gcaccccgat cctgggccag tgcgtcgagt tcttgaggca tcagtgcagc 420

ccgacggcga cgccctactg ctgcctcag tgccagtcgt tgcggcagca gtgttgccag 480

cagctcaggc aggtggagcc gcagcaccgg taccaggcga tcttcgggctt ggtcctccag 540

tccatcctgc agcagcagcc gcaaagcggc caggtcgcgg ggctgttggc ggcgcagata 600

gcgcagcaac tgacggcgat gtgcggcctg cagcagccga c

641

<210> 11961

<211> 638

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A11

<400> 11961

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gcctccgng aaagaagggg tcacgatgca tactaaatcc ccagcgacca agaaaaatat 120

aaagataccc aaccaagtgc aataaatctt ttcaaggaga tgtattgcgg caagaagaaa 180

tgatttagta aaattgttca gaaagctatt gatgatatgg aagcaatggg ggcagcatca 240

gttgaagtta gacaacttgt gatgtcttct acccaagttg tttctcatgt cttgcccagc 300

tcaagtaaatt tccttcacaa tgttggcctt cagcctgcct ccaagacaag ctctatttca 360

gcaaaggtgc acgagcttca atctcaattg gagaccaaga gacaagaaaa agatggactt 420

aggcaagaaa tggaatcctt aaaggctaca tcacaagaat ttatgaccac tattgctaatt 480

caaacaattg agatcgagaa tttaaagaag tcgctagcag aaaataatag ccttcttcgt 540

cagatactaa gcaccaatcg aggcattgtct cctccttaag attgttgcta tagtcgacca 600

tgccaatgtt acatccaaca aacttgact actttttt 638

<210> 11962

<211> 574

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A12

<400> 11962

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cttccttatg ctcttggtc tttctgcaag tgttgctacc gcnaccattt tcccacaatg 120

ctcacaagct cctatagctt cctttcttcc cccatacctc tcaccagcgg tgtcttcaat 180

gtgtgaaacc ccaattgttc aaccctacag gatccaacag gcaatcgcaa caggcatctt 240

accattatca cccttggtcc tccaacaacc gtcagcccta ttacagcagt tacctttggt 300
ccatttggtg gcacaaaaca tcagggcaca acaactacaa caacttggtg tagcaaacct 360
tgctgcatac tctcagcaac atcagtttct tccattcaac caactggctg cattgaactc 420
tgctgcttat ttgcaacaac aattaccatt cagccagcta gttgctgcct acccccagaa 480
atttcttcca ttcaaccaac tagcagcatt gaactctgct gcttatttac agcagcaaca 540
actactacca ttcagacagc tatctgatgt gaggc 574

<210> 11963

<211> 559

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A3

<400> 11963

gcgcagaaga acccgatcga caccatgagg gtgttgctcg ttgccctcgc tctcctggct 60
ctcgtcgcga gcgccacctc cacgcataca agcggcggct gcggctgcca gccaccgccg 120
ccggttcatt taccgccgcc ggtgcattctg ccacctccgg ttacctgcc acctccggtg 180
catctccac cgccgggtcca cctgccgccg ccgggtccacc tgccaccgcc ggtccatgtg 240
ccgccgccgg ttcatctgcc gcgccacca tgccactacc ctactcaacc gccccggcct 300
cagcctcatt cccagccaca cccatgcccg tgccaacagc cgcattccaag cccgtgccag 360
ctgcagggaa cctgcggcgt tggcagcacc ccgatcctgg gccagtgcgt cgagtttctg 420
aggcatcagt gcagcccgac ggcgacgcc tactgctcgc ctaagtgcc gtcggtgcgg 480
cagcagtgtt gccagcaact catgcagtg gagccgtagc accggtacca ggcatcttc 540
ggcttggagc tgcagtcca 559

<210> 11964

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-A5

<400> 11964

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ctagctggtg tgagccctgc taccttcttg atacaaccac agttgttgcc gttctaccag 120
cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc attcaaccaa 180
cttgctttga caaaccagc agcgttctac caacaacca tcattggtgg tgcctctttt 240
tagatttctt atgagttata gttcaataat aaagtttttt ggctgatgtt tgtggcttcc 300
tagaaataag aaggtagatt acctaaaaaa taaaaaata 340

<210> 11965

<211> 587

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A6

<400> 11965

caactagcaa catagnaaag cacaatagtg taccaacaat ggcagctaaa atattttgcc 60
tccttatgct ccttggctct tctgcaagtg ctgctacggc gaccattttc ccacaatgct 120
cacaagctcc tatagcttcc cttcttcccc cgtacctctc accaacggtg tcttcggtat 180
gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgcagct ggcattctac 240
ctttatcacc cttgttctc caacaatcat cagccctatt acagcagtta cctttggtgc 300
atattattggc acaaaacatc agggcacaac aactacaaca acttgtgcta gcaaaccctg 360
ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca ttgaactctg 420
cttcttattt gcaacaacaa caactaccat tcaaccagct atctgctgcc taccctcagc 480
aatttcttcc attcaaccaa ctgacagcat tgaactctcc tgcttattta cagcagcaac 540
aactactacc attcagccag ctagcttgtg tgagccctgc taccttc 587

<210> 11966

<211> 654

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-A9

<400> 11966

attgagaaca actagcaaca tagnaaagca caatagtgtg ccaacaatgg cagccaaaat 60

ttttgectcc ttatgctcct tggctcttct gcaagtgtgtg ctacggcgac cattttccca 120
 caatgtcac aagctcctat agcttccctt ctccccogt acctctcacc agcggtgtct 180
 tgggtatgtg aaaacccaat tcttcaaccc tataggatcc aacaggcaat cgcagctggc 240
 atcttacctt tatcaccctt gttcctccaa caatcatcag ccctattaca gcagttacct 300
 ttgggtgcatt tattggcaca aaacatcagg gcacaacaac tacaacaact tgtgctagca 360
 aaccttgctg cctactctca gcaacaacag tttcttccat tcaaccaact agctgcattg 420
 aactctgctt cttatttgca acaacaacaa ctaccattca gccagctatc tgctgcctac 480
 ccccagcaat ttcttccatt caaccaactg acagctttga actctcctgc ttatttacag 540
 cagcaacaac tactaccatt cagccagcta gctgggtgtga gccctgctac cttcttgaca 600
 caaccacaat tgttgccggt ctaccagcac gctgcgccta acgctggcac cctc 654

<210> 11967
 <211> 672
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-B1

 <400> 11967

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 gtctttctgc aagtgtgtgt accgcaacca ttttccaca atgctcaca gctcctatag 120
 cttcctttct tccccatac ctctcaccag cgggtgtcttc agtatgtgaa aaccaattc 180
 ttcaacccta caggatccaa caggcaatcg cagcaggcat cttaccttta tcacccttgt 240
 tcctccaaca accgtcagcc ctattacagc agttaccttt ggtgcatttg ttggcacaaa 300
 acatcaaggc acaacaacta caacaacttg tgctaggaaa ccttgctgcc tactctcagc 360
 aacagcagtt tcttccattc aaccaactgg ctgcattgaa ctctgctgct tatttgcaac 420
 aacaactacc attcagtcag ctagctgctg cctacccccca gcaatttctt ccattcaacc 480
 aactggcagc attgaactct gctgcttatt tacaacagca acagctacca ccattcagcc 540
 agctagctga tgtgagccct gttgccttct tgacacaaca acagttgttg ccgttcttac 600
 ctgcacgctg cgctaacgc ttgcaccctc ttacaactgc aacaattgct gccattcaac 660

caacttgctt tg

672

<210> 11968

<211> 476

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B10

<400> 11968

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gcgacgccct actgctcgcc tcagtgccag tcgttgccgc agcagtgttg ccagcagctc 120

aggcaggttg agccgcagca ccggtaccag gcgatcttcg gcttggctct ccagtccatc 180

ctgcagcagc agccgcaaag cggccaggtc gcggggctgt tggcggcgca gatagcgcag 240

caactgacgg cgatgtgcgg cctgcagcag ccgactccat gccctacgc tgctgccggc 300

ggtgtccccc actgaagaaa ctatgtgctg tagtatagcc gctggctagc tagctagtgt 360

agtcatttag cggcgatgat tgagtaataa tgtgtcacgc atcaccatgg gtggcagtgt 420

cagtgtgagc aatgacctga atgaacaatt gaaatgaaaa gaaaaaagta ttgttc 476

<210> 11969

<211> 660

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-B11

<400> 11969

tcagnatttt gatcctaatt catgtgggtt ggcttatgga atgaacatgt ttgatctgga 60

agaatggaag aagaaagaat tactggaatt taccacaaat ggcagaacat gaacgagaac 120

aggctgctct ggaaactggg gacattgccca ccagggttc taacttttta caagctgaca 180

caccctctgg acaaatcatg gcatgtgctt ggcttagggt acaatccaac cattgagcgc 240

tcagagatag acaatgctgc tgatcatccac tacaatggta acatgaagcc ctggctggaa 300

attgcaatga taaagtatcg gccttactgg acaaagtaca tcaattatca gcattcctac 360

attcatggat gcaagatcag ccaatagaaa ccaccctcag atattcttat gtgatgaaca 420

ttgaagttgg atgggactca aaatgaaatc agtataacta tcacatgttc tttattcgtg 480

ttatattaga tttgttagtt atcatgtgta tgtagtttcg tcgccctttt gtggtgcttt 540
ctcccctagc tcattgttgg ttcttgtctc tttttgtcat gaaaagacga tgagctctat 600
gattctcatc agctgataaa tgtaatgtct gaatttctgt cggtgacaaa ttaatgatcc 660

<210> 11970
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-B2

<400> 11970

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atTTtgctc cttatgctcc ttggtctttc tgcaagtgtc gctacggcga ccattttccc 120
gcaatgctcg caagctccta tagcttcctt tcttcccccg tacctctcac cagcgggtgc 180
ttcgggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcgcagctgg 240
catgttacct ttatcacctt tgttcctcca acaatcatca gccctattac aacaggtacc 300
tttgggtgcat ttattggcac aaaacatgag ggcacaacaa ctacaacaac ttgtgctaac 360
aaaccttgct gactactctc agcaacagca gtttcttcca ttcaaccaac tgaagtcatt 420
gcactctgct aatttattac aacaacaaca actaccataa cagcagctac ctgctgtcta 480
cc 482

<210> 11971
<211> 603
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B3

<400> 11971

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gcgtgcacga cgtcgtgctc gtcggtggct ccacccgcat cccaagggtg cagcagctgc 120
tgcaggactt cttcaacgga aaggaattgt gcaagagcat caaccccgac gaggtgtggt 180
cgtacggcgc cgctgtccag gctgccatcc tcagcggcga gggcaacgaa aaggtacaag 240

atctgctcct gctcgacgtc acgccactgt ctctcggcct ggagactgca ggtggcgtca 300
 tgacggtgct gatcccgagg aacaccacca tcccgaccaa gaaggagcag gtcttctcca 360
 cgtactccga caaccagccg ggcgtcctga tccaggtgta cgagggtgag cgcgcgagga 420
 ccaaggacaa caacctactc ggcaagtctg aactctccgg catccctcct gctccccgcg 480
 gcgtgccccca gatcacggat accttcgaca tcgatgccaa cagcattctc aacgtctctg 540
 ccgaggacaa gaccaccggc cagaaagaca agatcacgat caccaacgac aagggcccg 600
 ctt 603

<210> 11972
 <211> 639
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-B4
 <400> 11972

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 caggtttgca gcctgatcgt gccatataca atttgctggt agaagcattt tgtaagatgg 120
 gaaatatgga tcgagctatt cgcattatcg aaagaatgca gaaggaacga atgcaaccat 180
 caaatagaac attcagacct atcatagaag gatttgcagt tgctggagat atgaaaagg 240
 ctttcgatac ctttgaccta atgcggcgaa gcggttggtc tcctactgta atgacttaca 300
 atgctctcat tcatgggcta gttagaaagc accagggtga aaaggccgtt tctgtacttg 360
 acaagatgtc tattgctggc attgcaccaa atgagcatac atacacgac attatgagag 420
 gttatgctgc tagtggagat attgggaagg cttttgagta tttcaccaaa atcaaagaga 480
 gtggcctaaa gcttgatgtg tacattttacg aaacattggt gagagcatgt tgcaaatcaa 540
 gaagaatgca aagtgcctta gcagttacac gagagatgag ctttcagaag atacccgaga 600
 aaacatttat atataatatt ttgattgatg gttgggctc 639

<210> 11973
 <211> 651
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-B7

<400> 11973

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ctgcaagtgc tgctacggcg accattttcc cgcaatgctc acaagctcct atagcttccc 120
ttcttcccc gtacctctca ccagcgggtgt cttcggtatg tgaaaaccca attcttcaac 180
cctacaggat ccaacaggca atcgcagctg gcatcttacc tttatcacc ttgttctctc 240
aacaatcatc agccctatta cagcagttac ctttggtgca tttattggca caaaacatca 300
gggcacaaca actacaaca cttgtgctag caaaccttgc tgectactct cagcaacagc 360
agtttcttcc attcaaccaa ctagctgcat tgaactctgc ttcttatttg caacaacaac 420
aactaccatt cagccagcta cctgttgctt acccccaaca atttcttcca ttcaaccaac 480
tggcagcatt gaactctcct gcttatttac agcagcaaca actactacca ttcagccagc 540
tagctggtgt gagccctgct accttcttga cacaaccaca gttggtgccg ttctaccagc 600
acgctgcgcc taacgctggc acctcttac aactgcaaca attgctgcc t 651

<210> 11974

<211> 618

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-B8

<400> 11974

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tggtgttgaa ttcgtgagt agtatggcgt ggaggcttac cctttcacac canacgggtca 120
tgaactgaag aacaggaaag gcagaaaagg agaatcaaac tattcaaagc gtgcttggca 180
catctactcg agactatctc atttcaaaca agggagacaa ggtaccatc tctgagcttg 240
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ctgaggtgct tgctaagatc tatgagaaac tcaaagaagt gggagagaaa tttgaagttg 360
tagctgtatc cttggacagt gaagagtcac catttaatga gagttttgca aagatgcctt 420
ggcttgcaat tcctcaaggt gacattaagt gtcagacgct ggttcgttac tttgagctta 480
gttctcttcc aacactagtt ctgattggcc ctgatgggaa gacactgaac aacaatgtcg 540
ccgacataat tgacgaccat ggttttgagg catgggaggg ctcccccttc agtgctgaga 600

agctggaaat tcttgctg

618

<210> 11975

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-B9

<400> 11975

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ggacctcaac accacgacca ccgctgccct gcgcgcgcgc ctcgaggagg actttggcgc 120
cgacctctcc cacaaaaagg ccctcatcgc ggagcaggtc gacctcttcc tcgcgcgaggt 180
cgccgccaag gccgagccgc aggagcccaa ggaggaggag cccgaggagg cgccggtgcc 240
taaggaggag gagccagagg agctcgaggg ggtggaggag gagggcgagg gggaggacga 300
agaagaagaa gaggaggagg aggaggagga atgcgaggat gagaatagca gttgcgccc 360
gaagaagcag cgggggttatg atggcaaaaa gaggggtggt ggggtgacaa aattgtgcag 420
gtctataccg gcgctacaag agtttgt 447

<210> 11976

<211> 516

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C1

<400> 11976

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gagatggtga aggcaattgt gtccagggtg actgaagtga tgccaaaagc tgcattttt 120
acttcttccc aaatagcaac ctcaagcaat ggattcgact cctcggttat gtctacgaca 180
gcgacaactg gaagctctgg aagcactgtg aactgacctt ggggtttagt gcagaggcgt 240
caaacgagct agcatcaagc cgatctctgc caaacctgtt gctaagaaac ctgcacttga 300
ttcaccatct ctccaagggtg acaacagcat caactctgag gttgttctctg cgacgcagac 360
tgatgaatcc agctaaagct ctacatttga aacgaacgct ttttgacggg ggcacggcga 420
taacacgcct tgtattctag tatgcttaga tagattcaat gtttagcgca aacgactgat 480

gataagttta gcagttggtc ttttaatttg gattta

516

<210> 11977

<211> 611

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C10

<400> 11977

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tatagctgcc cttcttcccc cataccttcc atcaatgacc gcttttagtat gtgaaaaccc 180
agcccttcaa ccctacagga tccagcaagc aatcgcaaca agcaacttac ctttatcaca 240
cctgttcttt caacaatcgc cagccctatc tttggtgcag tcattggtac aaaccatcag 300
ggcagaacag ttgcagcaac tcgtgctacc agtgatcagc caagtagctc tggcaaacct 360
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tgctgcttat ttgcagcaac aacaactact accattcagc cagctagcta ctgcctactc 480
tcagcagcaa caatttcttc catttaacca attggccgca ctgaaccctt ctgcttattt 540
ccagcagcaa atactactac catttggcca gctagctaca acaagccccg cttccttctt 600
gacacaacaa c 611

<210> 11978

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C11

<400> 11978

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actgaacctt gctgcttatt tgcagcaaca actattacca ttcagccagc tagctactgc 120
ctactctcag caacaacaac ttcttccatt taaccaattg gccgcactga accccgctgc 180
ttatttgcag cagcaaatac tactaccatt tagccagcta gctgcagcaa accgtgcttc 240
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cctcttataa ctacaacaat tgttgccctt tgtccaactt gctttgacag accgagcggc 360
 ctctactaaa caacacatca ttgggtgtgc cctcttttag attgcttatt agttgtaatt 420
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<210> 11979
 <211> 333
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 <223> Clone ID: LIB3061-094-Q1-K6-C3
 <400> 11979

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 gttctaccag cacgctgcgc ctaacgctgg caccctctta caactgcaac aattgctgcc 180
 attcaaccaa cttgctttga caaaccagc agcgttctac caacaacca tcattgggtg 240
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<210> 11980
 <211> 661
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-C4
 <400> 11980

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 ccttcttccc ccatacctct caccagcgat gtcttcagta tgtgaaaatc caattcttct 180
 accctacagg atccaacagg caatgcgagc aggcattctta cctttatcac ccttggttct 240
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 gcagttacct ttgggtgcatt tgttggcaca aaacatcagg gcacaacaac tacaacaact 420

cgtgctagca aaccttgctg cctactctca gcaacaacag tttctgcat tcaaccaact 480
 agctgcattg aactctgctg cttatttgca gcaacaacaa ctactaccat tcagccagct 540
 agctgctgcc tcccccggc aatttcttcc attcaaccaa ctggcagcat tgaactctca 600
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<210> 11981

<211> 663

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-C5

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 aatgctcgca agctcctata gttcccttc tttcccgta cctctacca gcggtgtctt 180
 cggatatgta aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagctggca 240
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 tgggtgattt attggcacia aacatcaggg cacaacaact acaacaactt gtgctagcaa 360
 accttgctgc ctactctcag caacagcagt ttcttcatt caaccaacta ggttcattga 420
 actctgcttc ttatttgcaa caacaacaa taccattcag ccagctacct gctgcctacc 480
 cccagcaatt ttttccattc aaccaactag cagcattgaa ctctcctgct tatttacagc 540
 agcaacaact actaccattc agccagctag ctgggtgtgag ccctgctacc ttcttgacac 600
 aaccacagtt gttgccgttc taccagcacg ttgcgcctaa cgctngcacc ctcttacaac 660
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<210> 11982

<211> 635

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-C6

<400> 11982

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ggtgcttgca tccaaccac ttgctctggc aaacgtagct gcataccaac aacaacaaca 180
attgcaacag tttctgccag cgctcagtca actagccatg gtgaaccctg ccgcctacct 240
acaacagcaa caactgcttt catctagccc tctcgtttgt ggtaatgcac ctacatacct 300
gcaacaacaa ttgctgcaac agattgtacc agctctgact cagctagctg tggcaaacc 360
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tgccttcta cagcagcaac aattgctacc atacagccag ttctctttga tgaaccctgc 540
cttgtcgtgg cagcaacca tcgttggagg tgccatcttt tagatacata tgagatgtaa 600
tcgataatgg tgccctcanc cgcatgtgt ttct 635

<210> 11983

<211> 628

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-C7

<400> 11983

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ctagtgccat tatccacag ttctccac cagttacttc aatgggcttc gaacatccag 180
ccgtgcaagc ctacaggcta caactagcgc ttgctggcag cgccttaca caaccaattg 240
ccaattgca acaacaatcc ttggcacatc taacctaca aaccattgca acgcaacaac 300
aacaacaaca acagtttctg ccatcactga gccacctagc cgtgggtaac cctgtcacct 360
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agcaacaaca acagctgcaa cagtttatgc cagtgtcag tcaactagcc atgggtaacc 480
ctgccgtcta cctacaacta ctttcatcta gccgctcgc ggtgggcaat gcacctacgt 540
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accctgctgc ctacttaca cagttgct

628

<210> 11984

<211> 631

<212> DNA

<213> Zea mays

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<400> 11984

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acagcgacgt cctagcatgc agcgtgggtgc aaagctccag tgtgttagtg atctgttact 180
tctagggaaa gccacaattg atgaagctcg cagtctcttg tactggctgc agaattgaggc 240
tggttacggc aagatgggca tatgtgggct cagcatgggt ggagtacatg ctgcgatggc 300
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gatcaccatc gaacaagtca gggataggtt acggtcagtg ttgtctttga ctgatgtcac 540
tcgatttcca gtcccaaaga acccacaggc ggatcatctt gttggtgcaa cggacgatgg 600
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<210> 11985

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D1

<400> 11985

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atattgaaca acaattacca ttcagccagc tagttgctgc ctacccccag caatttcttc 180
cattcaacca actagcagca ttgaactctg ctgcttattt acagcagcaa caactactac 240
cattcagcca gctagctgat gtgagccctg ctgccttctt gacacaacaa cagatgttgc 300

cgTgctacct gcacgctatg cctaacgctg gcaccctctt acaactgcaa caattgctgc 360
cattcaacca acttgctttg acaaacccaa cagtgttcta ccaacaaccc atcattgggtg 420
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<210> 11986
<211> 121
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-D10
<400> 11986

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gctagctggc taatgggtata gttgttgctg aatagcgtgg gttatgtgac gtgggtgggtg 120
g 121

<210> 11987
<211> 665
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-D11
<400> 11987

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gctcccgcgc cgaccgcgtt gccgccggtg gcggcgcat cctggagagc gtgcaggagg 180
gcgccaggtc cttggccagc gccgtgggcc gcaccttcgg tggcgccaag gacgcgaccg 240
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cggaggccac ccggaacaag ctgggcgagt acaaggacag cgccgtggag aaggcgagg 420
agaccaagga cgcggtggcg cagaagacga gcgagaccgc ggaggcgacc aagaacaagc 480
tcggggagta caaggacgcg gcggccggca aggcgcggga ggccgcggac accaccgccg 540
gcaaggcgag ggaggccaag gacgcgacca tgcagaatgc ctgagagacg agggacgcca 600
ccgccgacaa ggcgagggag gcgagagacg tgaccaggca gaatgcgggc gagtacaccg 660

acgcc

665

<210> 11988

<211> 651

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-D12

<400> 11988

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tgctcacaag ctctatagc ttcccttctt ccccgctacc tctcaccagc ggtgtcttcg 180

gtatgtgaaa acccaattct tcaaccctat aggatccaac aggcaatcgc agctggcatc 240

ttacctttat cacccttggt cctccaacaa tcatcagccc tattacagca gttacctttg 300

gtgcatttat tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac 360

cttgctgcct actctcagca acaacagttt cttccattca accaactagc tgcattgaac 420

tctgcttctt atttgcaaca acaacaacta ccattcagcc agctatctgc tgcctacccc 480

cagcaatttc ttccattcaa ccaactgaca gctttgaact ctctgctta ttacagcag 540

caacaactac taccattcag ccagctagct ggtgtgagcc ctgctacctt cttgacacaa 600

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<210> 11989

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D2

<400> 11989

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cggccaagat attttccatc cttatgctcc ttgctcttcc tgcattgtgt gctaacgcga 120

ccatttatcc tcaatactca caagctccta tagctgcctt tcttgcccca tacctacat 180

caatgaccgc ttcagggtgt gaaaaccag cccttcaacc ctacaggctc caacaagcaa 240

tcgcaacaag caactgacct taatgacccc tgtgctttga acaatcgta gacctatgta 300
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<210> 11990

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-D3

<400> 11990

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ccggagggag gcggagcctt ccccggtct cgaagatggc ggcgccgccg gcgagggccc 240

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gttgtctcct tttgcggttc tcagatggct ctttcaccac tagctttatc accaccattg 360

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tgggaatttt gcttgtctat gatgttactg atgagtcac tttcaataat ataagaaact 540

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<210> 11991

<211> 150

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D5

<400> 11991

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aatcctacca ccttattgca gcagcccacc attggtggtg ccattctcta gattttttta 120

tgctttatac tgtaataata aagttctcat 150

<210> 11992
<211> 632
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D6

<400> 11992

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ggcgctccat cgttcactca aatgtgggtct ccgatacctg gcaccctcat gaggactagt 180
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catctgggtga aggggcttcc accaaagtac caggctacaa ttacatcaca agacagtctg 480
tcagcaatgc gaaagaagcc aaactcggcc ttcaaaggaa cagccatcac tgaggagcag 540
aactatcatc gtctgttctt tctccggtg aagctataag tagcgtgacg gcaccaagtc 600
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<210> 11993
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-D7

<400> 11993

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tatttacagc agcaacaact actaccattc agccagctag ctgatgtgag cctgctgcc 180
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ttctaccaac aacctatcat tgggtgtgcc ctcttttaga ttgcttatga gttatagttc 360
aataatgaag ttttttgat gatgtttgtg gcgtcccaga aataagaaag tacatttct 419

<210> 11994
 <211> 665
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-D8

<400> 11994

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gctcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa  180
aacccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta  240
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tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct  420
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 <211> 464
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E1

<400> 11995

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ttaaccaatt ggccgcactg aaccccgctg cttatttgca gcagcaaata ctactaccat  180
ttagccagct agctgcagca aaccgtgctt ccttcttgac acagcaacag ttgctgcctt  240
  
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tctaccagca gtttgcggct aaccccgcaa cctctttaca actacaacaa ttgttgcctt 300
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 ccctctttta gattgcttat tagttgtaat tcaataataa agtttttttg atgatgtatg 420
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<210> 11996

<211> 662

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-E12

<400> 11996

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<210> 11997

<211> 261

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-E4

<400> 11997

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 antcattnan cnnnatnat tgantaataa tgtntcacc atcaccatnn ntgncannnt 180
 cannnngagc aataacctna atnaacaatt naaatnaaaa aaaaaaagtt tnntccaaaa 240
 aaaaaaaaaa atagtttcgt t 261

<210> 11998

<211> 649

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-E6

<400> 11998

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 ccattcaatc aactagctgg ggtgaacctt gctgcttact tgcaggcaca acagctacta 240
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 ggtgccatct tctagatttt tttatgcttt atactgtaat aataaagttc tcatactgat 600
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<210> 11999

<211> 644

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-E7

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<210> 12000
 <211> 630
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E8

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 agtgaatgtt tgctcagtag ctcaaagcaa taccgggcaa tgatcgaaga acatgatact 420
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 gcggagacag aaagtagcat aaacgtacc atgcttgagg aagggttgc ccggctcgaa 540
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<210> 12001
 <211> 477
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-E9

 <400> 12001

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tgccatttag cgagctagct gcagcaagtc gtgcttcctt cttgacacag caacagttgc 240
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gtggtgcctt ctttttagatt gattattagt tgtaattcaa taataaagtt ttttggatga 420
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<210> 12002
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-K6-F1

 <400> 12002

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ctccgcaggt tcctcaagaa gccgtgggag atcacaggcc cctgcgccta tcccaggtac 180
cgcagcacgc tgactggcac gctcgagtac cgagtgaagt gcccgccac cgagcgcgac 240
gaccgagaca aggccataca gccacatgc gatccgggga cagtgtgcga tatgaagtgc 300
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<210> 12003
 <211> 64
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-F10
 <400> 12003
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 tcct 64

<210> 12004
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-F11
 <400> 12004
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 gcgcccccg cgaggacatc ggcgggcgcg ccggcgaata taggaggaac ttcggggcgg 180
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 tacattc 427

<210> 12005
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-F2
 <400> 12005
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 gcaaatacta ctaccattta gccagctagc tgcagcaaac cgtgcttcct tcttgacaca 180
 gcaacagttg ctgcctttct accagcagtt tgcgggctaac cccgcaaccc ttttacaact 240

acaacaattg ttgccctttg tccaacttgc tttgacagac cgagcggcct cctaccaaca 300
acacatcatt ggtggtgccc tcttttagat tgcttattag ttgtaattca ataataaagt 360
tttttggatg atgtatgtgg ccaaccagaa ataagaagtt acatttccag attttaatgt 420
g 421

<210> 12006
<211> 467
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-F3
<400> 12006

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attcagccag ctagctggtg tgagccctgc taccttcttg acacaaccac agttgttgcc 180
gttctaccag cacgttgccg ctaacgctgg caccctctta caactgcaac aattgctgcc 240
tttgtccaac ttgctttgac aaaccagca gccttctacc aacaacacat cattggcggg 300
gccctctttt agattgctta ttagttgtaa ttcaataatg aagttttttg gctgatgtat 360
gtggcctcct agaaataaga agttatattt ccaaaaaaaaa aaattaaatg aaaaaaaaaa 420
aaaacaacat acaaaaatac aaaacaaaat aaaaaaaaaa aaaatag 467

<210> 12007
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3061-094-Q1-K6-F4
<400> 12007

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ccagcagcag cctgtacgag ccagctctga tgcagcagca gcagcagctg ctggcagccc 180
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accagtacca gctgcccage taccgcacca accctgtgg cgtctccgt gccattccgc 300

cctactactg attcatgata tttgggaaat ctgctctatc catctctctc tatctatata 360
 tgtaataatg cagtaagacg acacacatta tcatgtgtgg tatgaccaat aatatatgca 420
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<210> 12008
 <211> 653
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-G1
 <400> 12008

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 aatgctcact tgctcctagt gccattatac cacagttcct ccgaccagtt acttcaatgg 180
 gcttcgaaca cctagctgtg caagcctaca ggctacaaca agcgcttgcg gcgagcgtct 240
 tacaacaacc aattaaccaa ttgcaacaac aatccttggc acatctaacc atacaaacca 300
 tgcgaacaca acagcaacaa cagttcctac cagcactgag ccaactagat gtggtgaacc 360
 ctgtcgcta cttgcaacag cagggtgcttg catccaaccc acttgctctg gcaaacgtag 420
 ctgcatacca acaacaacaa caattgcaac agtttctgcc agcgctcagt caactagcca 480
 tgggtgaaccc tgccgtctac ctacaacagc aacaactgct ttcattctagc cctctcgttg 540
 tgggtaatgc acctacatac ctgcaacaac aattgctgca acagattgta ccagctctga 600
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<210> 12009
 <211> 661
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-G10
 <400> 12009

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 attctgctga cactttcaag ttggtttctt gtgtcatcat ggattcttgc tccattcatt 180

tttaatccct ctggttttga ctggctgaag aattttaatg actttgagga ttttctaaac 240
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 gaggatgaaa ctgatcatct ccggacgaca ggtctatggg gctgcatctt ggaaatcata 360
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 aatagtagaa gcacccctgt ctatcttctt tctgtggacat gcacccctct agcttttgtg 480
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 cgccttgtcc aggcaatcat tgttgggagc actgtggctg ctattgttgt gctgttggaa 600
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 t 661

<210> 12010
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-094-Q1-K6-G12

 <400> 12010

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 cttccattca accaactggc tgtgtcaaac tctgctgcgt acctacaaca gcgacaacag 180
 ttacttaatc cattggcagt ggctaaccce ttggctcgta ctttctgca gcagcaacaa 240
 caattgctgc catacaacca gttctctttg atgaaccctg ctttgcagca acccatcggt 300
 ggaggtgcc tcttttagat tacatatgag atgtactcga caatggtgcc ctcataccga 360
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<210> 12011
 <211> 600
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-G2

 <400> 12011

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 aaatagatgc ttcaactagt ctacagtcag accagaatgc aactgctgtg ctgtatgggtg 180
 tagacaacga gacaagcgca acaataaaga ccgagtcttg ctactcgagt aatgctgatt 240
 ttgccttctg tgggaacact ttcctggaat catgccagtc gatagggtgât gcatctgggtg 300
 gtggatcctt cagcagctca gagttgaatg ggcaaccact aaacgattca attttggata 360
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 tggcagatga tttcaaccaa aatgcagaaa taacaccatt tctcactcct gagacaaatt 480
 tctccgattc aacaggggga gaccatacag gttgagcggg tcatgcacag cgtaccaacc 540
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<210> 12012

<211> 634

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-094-Q1-K6-G4

<400> 12012

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 cgaccatttt ccacaaatgc tcacaagctc ctatagcttc ccttcttccc ccgtacctct 180
 caccagcggg gtcttcngta tgtgaaaacc caattcttaa accctatang atccaacagg 240
 caatcgcagc tggcatctta cctttatcac ccttggtcct ccaacaatca tcagcgctta 300
 ttagancant tacctttggg gcatttattg gcacaaaaca tcanggcaca acaactacaa 360
 caacttgtgc tagcaaacct tgctgcctac tctcancaac aacagtttct tccattcaac 420
 caactagctg cattgaactc tgcttcttat ttgcaacaac aacaactacc attcaaccag 480
 ctatctgctg cctaccccca ncaatttctt ccattcaacc aactgacagc tttgaactct 540
 cctgcttatt tacagcagca acaactacta ccattcancc agctanctgg tgtgagccct 600
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<210> 12013
 <211> 585
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G5

<400> 12013

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acaatgtagt gatgatctta ggcagattga gcccataac ataacaccaa gcagatctac 180
aacatggctc aatccataat ccatgaggag cgacaacaac aaccatgtga gtcattgtga 240
tctaaacaag ctactcaaag tgcggaggga atcttgacag ctgcacaata cctaccatca 300
atgtgctggc cgtaccactc atactactca aaataatcca tgcattgatg atgacatcag 360
tggtgtctgc aattcgaaga attggtttac ctagacgctg tactcatatt acggcagtta 420
accaataaag ctccatacat tatgatgtgc gtactcattg gtcgctacct tcctgcagca 480
gcaacaacaa ttgctgccat acaaccagtt ctctttgatg aacctgcct tgcagcaacc 540
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<210> 12014
 <211> 598
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G7

<400> 12014

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gttcctgac taagcccggc atgaagggtc gtcagagcg tttgctgctc ctgctgctgc 180
tggcatcgtc gttgttactg tccgtcgtgg ttgcgcgca gcagacttgc cctgccgacc 240
tcgacagcaa atgcgacggt ggcgcgcctg atgactggga gggggaattc tccccggcg 300
tccccaaaat caagtatgag ggtccaacaa gcaagaacc tcttgcttat aagtgtgata 360
acaaggagga agtcattctc ggaaagaaga tgaaggactg gatgcgcttc agtgttgctg 420
tctggcacac gttccgtggg actggtgctg atccttttgg tgcgcctaca aaggtttggc 480
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cttgggagga cggcacacat tegtggcca tggctaagag aagaatgaga gctcactttg 540
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<210> 12015
<211> 669
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-G8

<400> 12015

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ttttcccaca atgctcacia gctcctatag ctcccttct tccccatac ctctcaccag 180
cgggtgtcttc aatgtgtgaa accccaattg ttcaacccta caggatccaa caggcaatcg 240
caacaggcat cttaccatta tcacccttgt tctccaaca accgtcagcc ctattacagc 300
agttaccttt ggtccatttg gtggcacaaa acatcagggc acaacaacta caacaacttg 360
tgctagcaaa ctttgctgca tactctcagc aacatcagtt tcttcattc aaccaactgg 420
ctgcattgaa ctctgctgct tatttgcaac aacaattacc attcagccag ctagtgtgctg 480
cctacccccca gcaatttctt ccattcaacc aactagcagc attgaactct gctgcttatt 540
tacagcagca acaactacta ccattcagcc agctagctga tgtgagccct gctgccttct 600
tgacacaaca acagttgttg ccgttctacc tgcacgctat gcctaacgct ggcaccctct 660
tacaactgc 669

<210> 12016
<211> 662
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-G9

<400> 12016

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tgcgcggggc tgcagggctt gtacggcgct ggcgccggcc tgacgacgat gatgggcgcc 180
 ggcgggctgt acccctacgc ggagtacctg aggcagccgc agtgcagccc gctggcgggc 240
 gcgccctact acgcggggtg tgggcagccg agcgccatgt tccagccgct ccggcaacag 300
 tgctgccagc agcagatgag gatgatggac gtgcagtccg tcgcgcagca gctgcagatg 360
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 cagcagcagc agcagctgct ggcagcccag ggtctcaacc ccatggccat gatgatggcg 480
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 ccctgtggcg tctccgctgc cattccgccc tactactgat tcatgatatt tgggaaatct 600
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<210> 12017

<211> 654

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H10

<400> 12017

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 gctgatagtt cagctactat caatgtgcct aaaaatcatc ccagagatgc gccagttcct 180
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 gagaatggat tgatggcatc atcacggttt tcttcttgtg gcaactcagc attgcctact 360
 cagaagagcc ttgttcctca acaaaagcct ctcgcagacc ctcagcaatt agcagcaagc 420
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 aaaaatgaag gttcacgac cagatgcaat aaagctacca ttccccattc gagaaacaaa 540
 ggcagcaaga agacgaaca gcaaccta atggcgtgtt atgcgatcaa gttcccgta 600
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<210> 12018

<211> 649
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-094-Q1-K6-H11

 <400> 12018

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cctttgttcg aggatgagag gtatatgttt acatataacc cgacaaagga caaggtctat  180
gctttgctca aggaccaagc aaagcctgat gacattctca aggccgcttt tcatgcacat  240
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aattggagtc cagccctatg tgggtcagcg aaactaactn tagtcaacaa tcagctcaag  600
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<210> 12019
 <211> 625
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 12019

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atccttggca catctaacca taaaacccat cgcaacacaa cagcaacaac agttcctacc  180
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gtttctgcca gcgctcagtc aactagccat ggtgaaccct gccgcctacc tacaacagca  360
  
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acaactgctt tcactctagcc ctctcgttgt gggtaatgca cctacatacc tgcaacaaca 420
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cttgcaacag ctgcttccat tcaaccaact gactgtgtcg aactctgctg cgtacctaca 540
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<210> 12020
<211> 338
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-H2

<400> 12020
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<210> 12021
<211> 631
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3061-094-Q1-K6-H5

<400> 12021
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acccatggtg ctttcgtaca gccggccttc tatgaagcgt tcggtctcac cgtcgttgag 180
gcatgacct gtgggcttcc tacttttcgg acgctccatg gaggtccagc tgagatcata 240
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atggccgact ttttcgaccg gtgcaagcaa gaccagatc actgggtgaa aatatctgga 360
gcagggctgc agcgcatata cgagaagtac acatggaaga tatactcaga gaggttgatg 420
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aggcgctacc ttgagatggt ctacatactg aagttccgcg agctggcgaa gaccgtgccg 540
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<210> 12022

<211> 656

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H6

<400> 12022

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gcggctgtgg ctgccagaca ccaccgtttc atctaccgcc tccgttctat atgccgcctc 180
cgttctatct gccgccgcag cagcagccgc agccatggca ataccctact caaccaccgc 240
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cgccacagtg ccaggcgtg cagcagcagt gctgccacca gatcaggcag gtggagccgc 420
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agggcgagct cgcggcgctg atggcggccc aggtagcgca gcagctgacg gcgatgtgcg 540
gcctgcagct gcagcagcca ggtccctgcc cttgcaacgc agctgccggc ggtgtctact 600
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<210> 12023

<211> 669

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-094-Q1-K6-H7

<400> 12023

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 ttcggtatgt gaaaacccaa ttcttcaacc ctacaggatc caacaggcaa tcacagctgg 180
 catcttacct ttatcaccct tgttctcca acaatcatca gccctattac atcagttacc 240
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 aaaccttgct gcctactctc agcaacagca gtttcttcca ttcaaccaac tagctgcatt 360
 gaactctgct tcttatttgc aacaacaaca actaccattc agccagctac ctgctgcta 420
 cccccagcaa tttcttccat tcaaccaact ggcagcattg aactctcttg cttatttaca 480
 gcagcaacaa ctactaccat tcagccagct agctgggtgtg agccctgcta cttctttgat 540
 acaaccacaa ttgttgccgt tctaccaaca cgcttggcct aacgctgggc accctcttac 600
 aactggcacc aattgctggc cttcaaccaa cctgctttga caaactcaac agcgttttac 660
 caacaaccc 669

<210> 12024
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-094-Q1-K6-H9
 <400> 12024

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 taacaa 66

<210> 12025
 <211> 584
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-A1
 <400> 12025

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 gtcctatag ctcccttct tccccgtac ctctcaccag cggtgtcttc ggtatgtgaa 180

aacccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
 tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
 ttggcacaaa acatcagggc acaacaacta caacaacttg tgctagcaaa ccttgctgac 360
 tactctcagc aacagcagtt tcttgcatta aaccaactag ctgcattgaa ctctgcttat 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgtctaccc ccagcaattt 480
 ctccattca accaactggc agcattgaac tctcctgctt atttacagta gcaacaacta 540
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<210> 12026
 <211> 632
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-A11
 <400> 12026

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 ctgcccgtgc cagccaccgc cgccgggttca tctaccgccg ccgggtgcacg tgccacctcc 180
 ggttcacctg ccacctccgg tgcattctcc accgcccggc cacctgccgc cgccgggtcca 240
 cctgccaccg ccgggtccatg tgccgcgcgc ggttcattctg ccgccgccac catgccacta 300
 cctactcaa ccgccccggc ctcagcctca tccccagcca caccatgcc cgtgccaaca 360
 gccgcatcca agcccgtgcc agctgcaggg aacctgcggc gttggcagca ccccgatcct 420
 gggccagtgc gtcgagtttc tgaggcatca gtgcagcccg acggcgacgc cctactgctc 480
 gcctcagtgc cagtcggttc ggcagcagtg ttgccagcag ctcatgcagg tggagccgca 540
 gcaccggtac caggcgatct tcggcttggc cctccagtc atcctgcagc agcagccgca 600
 aagcggccag gtcgcggggc tggttggcggc gc 632

<210> 12027
 <211> 532
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-A12

<400> 12027

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catggcgtag gtgcaccacg ccttctccat ctccgacgag gacgacctcg tcggcgggcg 180
catggggggc ccgcgcgggg cgcccgtaga ggagatcgcc ttccgcgcgc cgctgctcgc 240
cttcggggcg ctcggtaccg tcgggtggcct gctaattggc gtcaaccgcg tcggagggga 300
ccgcgcgcac ggaattttct tcatgatgtt gggcattgta atgttcatcc ctgggttcta 360
ctacacaagg atcgccact atgcttaca aggttacaag ggcttctctt tttcgaacat 420
cccaccgatc tgaaggagtg tgctgctgcc tgctggttat gaagtgggtg cgctggttta 480
agagtttgac gactctgacg aatggctctg taaacaccct tgttctacat ct 532

<210> 12028

<211> 631

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-A2

<400> 12028

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gctccttggg ttttctgcaa gtgctgctac ggcgaccatt ttcccgaat gctcgcaagc 120
tcctatagct tccttcttc ccccgtagct ctaccagcg gtgtcttcgg tatgtgaaaa 180
cccaattctt caacctaca ggatccaaca ggcaatcaca gctggcatct tacctttatc 240
acccttggtc ctccaacaat catcagccct attacatcag ttacctttgg tgcatttatt 300
ggcacaaaac atcagggcac aacaactaca acaacttggt ctagcaaacc ttgctgccta 360
ctctcagcaa cagcagtttc ttccattcaa ccaactagct gcattgaact ctgcttctta 420
tttgcaacaa caacaactac cattcagcca gctacctgct gcctacccc agcaatttct 480
tcattcaac caactggcag cattgaactc tcctgcttat ttacagcagc aacaactact 540
accattcagc cagctagctg gtgtgagccc tgctaccttc ttgatacaac cacagtgtgt 600
gccgttctac cagcacgctg cgcctaacgc t 631

<210> 12029
<211> 508
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-A3

<400> 12029

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acaatggcta ccaagatatt agccctcctt gcgcttcttg ccctttttgt gagcgcaaca 120
aatgcgttca ttattccaca atgctcactt gtccttagtg ccattattcc acagttcctc 180
ccaccagtta cttcaatggg cttcgaacac ctactgtgtc aagccaacat gcaacaacaa 240
gcgcttgccg cgagcgtctt acaacaacca attgcccaat tgcaacaaca atccttgcca 300
catctaacaa tacaagccat cacaacgcaa cagcaacaac agttcctacc agcactgagc 360
cacctagcca tggatgaacc tgccgcctac ttgcaagagc agctgcttgc atacaaccca 420
cttgctctgg cgaacgtagt tgcaaacag caacaacaac agctacaaca ggtttctgac 480
aacgctcagt caactagcca tggatgaac 508
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<210> 12030
<211> 503
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-A4

<400> 12030

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ctagcaacat agnaaagcac aatagtgtac caacaatggc agccaaaatt tttgcttcct 60
tatgtcctt ggtctttctg caagtgtgtc taccgcaacc attttccac aatgtcaca 120
agctcctata gcttcctttc ttccccata cctctcacca gcggtgtctt cagtatgtga 180
aaaccaatt cttcaaccct acaggatcca acaggcaatc gcagcaggca tcttaccttt 240
atcaccttg ttctccaac aaccgtcagc cctattacag cagttacctt tggatgattt 300
gttggcacaa aacatcaagg cacaacaact acaacaactt gtgctaggaa accttgctgc 360
ctactctcag caacagcagt tacttccatt caaccaactg gctgcattga actctagtga 420
ttatttgcaa caacaactac cattcagaca gctagctgct gcctaccctc agtaatttct 480
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tccattcaac caactggcag tta

503

<210> 12031

<211> 658

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B1

<400> 12031

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tccatcetta tgctccttgc tctttctgca tgtgttgcta acgcgaccat ttttcctcaa 120

tactcacaag ctccatagc tgcccttctt ccccatacc ttccatcaat gaccgcttta 180

gtatgtgaaa acccagccct tcaaccctac aggatccagc aagcaatcgc aacaagcaac 240

ttacctttat cacacctgtt ctttcaacaa tcgccagccc tatctttggg gcagtcattg 300

gtacaaacca tcagggcaga acagttgcag caactcgtgc taccagtgat cagccaagta 360

gctctggcaa acctttcccc ctactctcag caacaacaat ttcttccatt caaccaactg 420

tctatactga accctgctgc ttatttgcag caacaacaac tactaccatt cagccagcta 480

gctactgcct actctcagca gcaacaattt ctccatttta accaattggc cgactgaac 540

ccctctgctt atttccagca gcaaatacta ctaccatttg gccagctagc tacaacaagc 600

cccgcttcct tcttgacaca acaacaagtg cttncgttct accagcagtt tgtggcta 658

<210> 12032

<211> 640

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B10

<400> 12032

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gcttcaactt gaagctcaaa gtattcctaa cactacccat ccagatgttc ctgttggggg 120

tgaggaaagc tctgtcctca ggaaagaggt aggcagtcag aggagcttca attttgcaat 180

caaagatcat cttcagctgg ggaaggaact tgatttgttt gactttgatg cagcagccga 240

ggtcagtggg tcgaagttct actacttaaa gaatgaagct gttttgttgg agatggccct 300
 agtaaactgg gctatttcag aggtctccaa gaagggtttc acaccactca taactccaga 360
 gatcgtaaga tcatctgttg ttgagaaatg tggctttcag ccaagggcca aaaacactca 420
 ggtatactca attgaggaca gtgatcagt tctcataggc acageggaaa ttcctgttgg 480
 aggcattcac atggactcaa tacttgccga atccgctttg cctttaaaat atgtagcata 540
 ttcacactgt tntcgcacag aagcaagtgc agcaggtgct gccactaggg gcctctatcg 600
 ggtacatcaa tttagcaagg ttgagatggt catattctgt 640

<210> 12033
 <211> 679
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-B11

 <400> 12033

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 agcaacttac ctttatcacc cctgttcttt caacaatcgc cagccctatc tttggtgcag 120
 tcattggtac aaaccatcag ggcacaacag ctgcaacaac tcgtgctacc agtgatcagc 180
 caagtagctc tggcaaacct ttctccctac tctcagcaac aacaatttct tccattcaac 240
 caactgtcta cactgaaccc tgctgcttat ttacaacaac aacaactact accattcagc 300
 cagctagcta ctgcctactc tcagcagcaa caatttcttc catttaacca attggccgca 360
 ctgaaccctt ctgcttattt ccagcagcaa atactactac catttgcca gctagctaca 420
 acaagcccca cttccttttt gaaacaacaa caattgcttc cgttctacca gcagtttgtg 480
 gctaaccctg caaccctctt acaactgcaa cagttgctgc cttttgtcca acttgctttg 540
 acaaaccag cagccttcta ccaacaacac atcattggcg gtgccatctt ttagattgct 600
 tattagttgt aattcaataa tgaagttttt tggctgatgt atgtggcctc ctagaaataa 660
 gaagttacat ttccaaaaa 679

<210> 12034
 <211> 497
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-B2

<400> 12034

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gctacagact gatggtaccg agaataatgg aagggaacca tcggatggga atggttgcta 120
ttgattcggc aacgggtact gtagcagatt gtggctgtga ggtggaaatt tcagagtgtg 180
aaccacttcc agatgggccc ttttatttag aggtggaagg cacacgtcgg tttcgtatcg 240
tgcgatcatg ggatcaagat ggatatagag ttgctgaagt tgaatggttg aaagatatac 300
ctctgccaga aggttcacaa gggagdagag aactaatgga actggccaat ggagcttcat 360
agctggccag ggcataatc agacatgcta gagataccgt acggactgca aggcgaacaa 420
gacatctgaa tcttgagggc atgcttgggc cacaggaccc ggaaaaatta aagtactggc 480
taccacaacta gataagt 497

<210> 12035

<211> 184

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B4

<400> 12035

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acctgcgctt gtaataatag cctgaacata gtttaattgc taatagtatc ctaaagagga 120
ctacaagtgt acaaatgaac tatgtttcag gctattatta gcaattaaaa aaatgtttgt 180
gctc 184

<210> 12036

<211> 674

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B8

<400> 12036

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gctcttgggt gtgttgcgtg cccttcattc aaggagccca ctcttgactg tgctttctgt 120
gtggatgaga gactcgcgga ggatgccgag tatgaggagc aaatcatatg ggcctcatcg 180
gatgcttacc catgggggatg ctatatctac caagttcaga gcgcctcaat gcagttcatg 240
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ctgcagcaag catcagagac tcaaacgtcc cgtgcatgaa gaagctgcac atgatgcttg 360
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tgtaaataga aagttttgta acgtttgata tagtttttgt'ccagctacat ttgttaaggc 600
ccatgtggac gtggggcata ttagttgtgg ctacatattc tactaagaaa gtctcaggac 660
taatcatact ttcc 674

<210> 12037

<211> 533

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-B9

<400> 12037

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gcagaggctg gcccggtggc ggtggcggag gcgcggacgt gccagtcgca gagccacagg 180
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gttgaagcgt tcgatcgtcg gtctagtaat gtgcctgtga gcagcgggtg gctgattgac 480
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<210> 12038

<211> 514

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-C11
 <400> 12038

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 actttaaagt acatacatgt aacatcaagc ggctagctac gaggcattta cacctctgat 180
 ggagctcgaa ggcctagttg tgcataacca acagatagct tgctcacaac acatctgata 240
 gtttctgtct gatacaccgt ctgatgaaca aatcccttga gggactgcac gccaatgtcc 300
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 acgttggtga ctctactcca gaggagcttg ccaccgttac ccagggtgcag ggtgactacc 420
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 aagtcatttg ctgactatgg caaactccgt cttg 514

<210> 12039
 <211> 664
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-C12
 <400> 12039

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 gcgcatcaag ccggatctgg agagggctac acgatcgtg gccgcgtcaa gatcgatggc 180
 atgagcgtga agggcttttg tcttgcaaca aagacatcaa acacaaaagt gatacttaat 240
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 gatatcagtg caaggaatcc tgggtatatt caagcagcat tgactgaaac tagaagagtt 420
 ctaaagagc ttgtcctgga acctctgaaa gaagagcagt actatgaggt tagggagcct 480
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atggtctttg tgatgccaa gatgatggag aacatagatc ctgaggagat gaagcaagct 600
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 taga 664

<210> 12040

<211> 594

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C2

<400> 12040

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 ccgcaatgct cacaagctcc tatagcttcc cttcttcccc cgtacctctc accagcggtg 180
 tcttcggtat gtgaaaaccc aattcttcaa ccctacagga tccaacaggc aatcgagct 240
 ggcattctac ctttatcacc cttgttcctc caacaatcat cagccctatt acagcagtta 300
 cctttggtgc atttattggc aaaaaacatc agggcacaac aactacaaca acttgtgcta 360
 gcaaaccttg ctgcctactc tcagcaacag cagtttcttc cattcaacca actagctgca 420
 ttgaactctg cttcttattt gcaacaacaa caactaccat tcagccagct acctgttgcc 480
 tcccccaac aatttcttcc attcaaccaa ctggcagcat tgaactctcc tgcttattta 540
 cagcagcaac aactactacc attcagccag ctagctggtg tgagccctgc tacc 594

<210> 12041

<211> 579

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C3

<400> 12041

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 ctctatagc ttcccttctt ccccggtacc tctcaccagc ggtgtcttcg gtatgtgaaa 180

acccaattct tcaaccctac aggatccaac aggcaatcac agctggcatc ttacctttat 240
 cacccttggt cctccaacaa tcatcagccc tattacatca gttacctttg gtgcatttat 300
 tggcacaaaa catcagggca caacaactac aacaacttgt gctagcaaac cttgctgcct 360
 actctcagca acagcagttt cttccattca accaactagc tgcattgaac tctgcttctt 420
 atttgcaaca acaacaacta ccattcagcc agctacctgc tgctacccc cagcaatttc 480
 ttccattcaa ccaactggca gcattgaact ctctgctta ttacagcag caacaactac 540
 taccattcag ccagctagct ggtgtgagcc ctgctacct 579

<210> 12042
 <211> 616
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-C4

 <400> 12042

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 aaaacggagg tggaactagc tcacaagagg caaccgtaaa aagaaggga ggggaaagct 180
 cctgtcacag aaagcagtgc tgctaattgat gtgaatagtg cactagcaga taacattctg 240
 gagactgtaa gaaggcttca atcaaaccag caggctcggg aaggaggagc tgacgtgctg 300
 tccaaggatg ggtatcgacc ttccaagggg gtccaaccgg cagctggatc ttcattctaat 360
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 ggaggaggca ataagcaacc gaagaaaaca gcaaagtctc tcagagctcg tttaggtgac 480
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 agaaactttt tcgagc 616

<210> 12043
 <211> 613
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3061-095-Q1-K6-C6

<400> 12043

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catacaagcg gcggctgcgg ctgccagcca ccgccgccgg ttcattctacc gccgccggtg 180
catctgccac ctccggttca cctgccacct ccggtgcac tcccaccgcc ggtccacctg 240
ccgccgccgg tccacctgcc accgccggtc catgtgcgc ccgccggttca tctgccgccg 300
ccaccatgcc actaccctac tcaaccgccc cggcctcagc ctcatcccca gccacacca 360
tgcccgtgcc aacagccgca tccaagcccg tgccagctgc agggaaacctg cggcgttggc 420
agcaccgccga tcctgggcca gtgcgtcgag tttctgaggc atcagtgcag cccgacggcg 480
acgccctact gctcgctca gtgccagtcg-ttgccgagc agtggttgcca gcagctcagg 540
caggtggagc cgcagcacg gtaccaggcg atcttcggct tggctctcca gtccatcctg 600
cagcagcagc cgc 613

<210> 12044

<211> 632

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-C7

<400> 12044

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tgctgcctac ttgcaacagc agttgcttgc atccaacca cttgctctgg caaacatagt 120
tgcataccaa caacaacaac aattgcaaca gtttctacca gcgctcagtc aactagccat 180
ggtgaaccct gccgcctacc tacaacagca acaactgatt tcattctagc ctctcgctgt 240
ggttaatgca cctacatacc tgcaacaaca gttgctgcaa cagattgtac cagctctgac 300
tcagctagct gtggcaaacc ctgctgccta cttgcaacag ctgcttccat tcaaccaact 360
gactgtgtcg aactctgctg cgtacctaca acagcgacaa cagttactta atccactagc 420
ggtggctaac ccattggctg ctgccttcct acagcagcaa caattgctgc catacaacca 480
gttctctttg atgaaccctg ccttggttggt gcagcaacct atcgttgag gtgccatctt 540
ttagattaca tatgagatgt actcgataat ggtgcctca tagcggcatg tgtttcctag 600

aaatatcaaa tattgattga gattatctcg at

632

<210> 12045

<211> 661

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-C9

<400> 12045

gngaaccaac aagcaacata gnaagtggaa tccagtagca acaatagagc aacaatggcg 60

accaagatac tttccctcct tatgctcctt gctctttctg catgtgttgc taacgcgaca 120

attttccctc aatgctcaca agctcctata gcttcccttc tcccccata ccttccatca 180

atgatagctt cagtatgtga aaaccagct cttcaaccct ataggctcca acaagcaatc 240

gcagcaagca acataccttt atcaccttg tttcaacaat cgccagccct atctttggtg 300

cagtcattgg taaaaacat caaggcacag cagctgcagc aactcgtgct acctgtgatc 360

aaccaagtag ctctggcaaa cttttctccc tactatcagc aacaacaatt tcttccattc 420

aaccaactat ctacactgaa cctgtctgct tatttgcagc aacaactatt accattcagc 480

cagctagcta ctgcctactc tcatcaacaa caacttcttc catttaacca attggccgca 540

ctaaacctcg ctgcttattt gcagcagcaa atattactac catttagcca gctagctgca 600

gcaagccgtg cttccttctt gaacagcaac agttgctgcc tttctaccag cagtttgcgg 660

a 661

<210> 12046

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D1

<400> 12046

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cgtgctgtgc tcgtcggcgc acctgctgca gccggggcgc gggccgttcc ggtccgacga 120

cgcgctgaag ccgggaaccg agtacttgct gctaccgcag tcggtgatcc aggtggagtg 180

gtgcgctcgtg gacctggtgt gcctgatgaa ccg

213

<210> 12047

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D11

<400> 12047

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gacagaagtt tcatcggcta tacccttcaa gttegaagcg aggaaatctg caggaggggg 120

caatgaacgc taccgcttgg gcctccaaat cattagcatc tgtttcgatt ggagaaccaa 180

gtgcgattgg aaggacaaac tctaccagtg agcttagatg aagtgttaacc cttttttctc 240

tccacagaga tatatgtaca gtacagtaga gcgatcagga tatggacacc cagaatctgt 300

tgtaacggct gtattactct ttgtatctc tctccttag aataagtata tccatggttt 360

tgcacctttt ttttgttgtt acatcccaat tctttggagg agtaaagttt ctggtgtatt 420

gtgt 424

<210> 12048

<211> 643

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D12

<400> 12048

cttctatcag taccatcaat catcattcat cttagtagta taggcaccaa atcaaactctg 60

caacatcaat tatctaactc caaaaacat gaagctggtg cttgtggttc ttgctttcat 120

tgcttttagta tcaagtgttt cttgtacaca gacaggcggc tgcagctgtg gtcaacaaca 180

aagccatgag cagcaacatc atccacaaca acatcatcca caaaaacaac aacatcaacc 240

accaccacaa catcaccagc agcagcaaca ccaacaacaa caagttcaca tgcaaccaca 300

aaaacatcag caacaacaag aagttcatgt tcaacaacaa caacaacaac cgcagcacca 360

ccaccaacaa caacaacaac agcaccaaca acaacatcaa tgtgaaggcc aacaacaaca 420

tcaccaacaa tcacaaggcc atgtgcaaca acacgaacag agccatgagc aacaccaagg 480

acagagccat gagcaacaac atcaacaaca attccaggggt catgacaagc agcaacaacc 540
acaacagcct cagcaatatc agcagggcca ggaaaaacac aacagcaaca atgtcattgc 600
caggagcagc aacagactac aaggtgcagc tataactact ata 643

<210> 12049

<211> 666

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-D3

<400> 12049

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ggcaccgagt gaggccgccg catcctctc ctctccgac cgtacgtttc ctctcccta 120
gcaatcgcaa cccgttcagc caatcattgc cgtctccacc aactccgttc ccctattacc 180
tagttagtcc agtcgcctg ctgcctgcct caacggatcg acgcgacagg agggagggag 240
gaaggagacg gtcgatcaga gtctgagacg gaggccgac caccaccgca gcgacgagcg 300
ggaggagatg aagatcatca ttgacacgga tcccggcatc gatgacagcg tggccatcct 360
gatggcattc cagatgccg gcgtccagg cctagggctc accaccatct tcggaaactg 420
caccacagag catgccacac gcaacgcctt gatcctgtgc gagaaggcaa gccatctaga 480
gggtcccagta gctgagggca gccatgagcc tctcaaggga ggaaagccgc acgttgctga 540
cttcgttcat ggacctgatg gcctcgggaa cctagatctt cctgatccac tatcaagaaa 600
gtgtagaaaa tgctaccgac ttcttggttg taaggtctcg cgatttctgg gaaggtctct 660
gtgctc 666

<210> 12050

<211> 629

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-D4

<400> 12050

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tctgtctagca gcagccaccg ccgcctcatc ctgcgcagccg ccgtcctgct ctccgtgctc 120
 gcggctgccg gcgccagcgc cgggacctcc tgcgtgccgg ggtgggcat cccgcacaac 180
 ccgtcccga gctgccgctg gtacgtgacc agccggacct gcggcatcgg gccgcgcctc 240
 ccgtggccgg agctgaagag gagatgctgc cgggagctgg cggacatccc ggcgtactgc 300
 cgggtgcacgg cgctgagcat cctcatggac ggcgcgaccc cgcggggccc ggacgcgcag 360
 ctggagggcc gcctagagga cctgccgggc tgcccgcggg aggtgcagag gggattcgcc 420
 gccaccctcg tcacggaggc cgagtgcac ctggccacca tcagcggcgt cgccgaatgc 480
 ccctggattc tcggcggcgg aacgatgcc tccaagtaac tgccaagagc atagtgcctg 540
 aggaatgagc ttgtagctag ctcatatgtc tgaataataa gcacagcaag aagatgaatg 600
 catttctcgg atcgttcatc cggaacaat 629

<210> 12051
 <211> 175
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-D5
 <400> 12051

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 cattgggtggg gccctctttt agattgctta ttagttgtaa ttcaataata aagttttttg 120
 gatgatgtat gtggccaacc agaaataaga agttacattt ccagatttta atgtg 175

<210> 12052
 <211> 606
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-D6
 <400> 12052

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 ttttccctcc ttatgtcctt tgctctttct acatgtgttg ctaacgcgac aattttccct 120
 caatgctcac aagtcctat agcttccctt cttcccccat accttccatc aattatagct 180
 tcagtatgtg aaaaccacgc ttttcaacca tataggcttc aacaagcaat cgcagcaagc 240

aacatacctt tatcgccctt gttgtttcaa caatcaccag ccctatcttt ggtgcagtca 300
 ttggtacaaa ccatcagggc acaacagctg cagcaactcg tgctacctgt gatcaaccaa 360
 gtagctctgg caaacctttc tccctactct cagcaacaac aatttcttcc attcaaccaa 420
 ctgtctacac tgaaccctgc tgcttatttg cagcaacaac tattaccatt tagccagcta 480
 gctactgcct actctcagca acaacaactt cttccattta accaattggc cgcactgaac 540
 cccgctgctt atttcagca gcaaatacta ctgccattta gcgagctagc tgcagcaagt 600
 cgtgct 606

<210> 12053
 <211> 667
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-D7
 <400> 12053

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 tcttcccacc agttacttca atgggcttcg aacatccagc cgtgcaagcc tacaggctac 180
 aactagcgct tgcggcgagc gccttacaac aaccaattgc ccaattgcaa caacaatcct 240
 tggcacatct aaccctacaa accattgcaa cgcaacaaca acaacaacag tttctgcat 300
 cactgagcca ctagccgtg gtgaaccctg tcacctactt gcaacagcag ctgcttgcat 360
 ccaaccact tgctctggcg aacgtagctg cataccagca acaacaacag ctgcaacagt 420
 ttatgccagt gctcagtcaa ctagccatgg tgaaccctgc cgtctaccta caactacttt 480
 catctagccc gctcgcggtg ggcaatgcac ctacgtacct acaacaacag ttgctgcaac 540
 aaattgtacc agctctgact cagctagctg tggcaaacc tgctgcctac ttacaacagt 600
 tgcttccatt caaccaactg gctgtgtcaa actctgctgc gtacctaaa cagcgacaac 660
 agttact 667

<210> 12054
 <211> 636
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3061-095-Q1-K6-D8

<400> 12054

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tttttgcttc cttatgctcc ttggtctttc tgcaagtgtt gctaccgcaa ccattttccc 120
acaatgctca caagctccta tagcttcctt tcttccccca tacctctcac cagcggtgtc 180
ttcaatgtgt gdaaacccaa ttgttcaacc ctacaggatc caacaggcaa tcgcaacagg 240
catcttacca ttatcacctt tgttcctcca acaaccgtca gccctattac agcagttacc 300
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aaaccttgct gcatactctc agcaacatca gtttcttcca ttcaaccaac tggctgcatt 420
gaactctgct gcttatttgc aacaacaatt accattcagc cagctagtgt ctgcctaccc 480
ccagcaatth cttccattca accaactagc agcattgaac tctgctgctt atttacagca 540
gcaacaacta ctaccattca gccagctagc tgatgtgagc cctgctgcct tcttgacaca 600
acaacagttg ttgccgttct acctgcacgc tatgcc 636

<210> 12055

<211> 655

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-D9

<400> 12055

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caccagctg tgcaagccta taggctacaa caagcaattg cggcgagcgt cttacaacaa 120
ccaatttccc agttgcaaca acaatccttg gcacatctaa caatacaaac catcgcaacg 180
caacagcaac aacaattcct accagcactg agccacctag ccatggtgaa ccctgccgcc 240
tacttgcaac agcagttgct tgcacaaac ccacttgctc tggcaaacgt agttgcaaac 300
cagccacaac aacagctgca acagtttctg ccagcgctca gtcaactagc catggtgaac 360
cctgccgcct acctacaaca gcaacaactg ctttcatcta gcccgctcgc tgtggccaat 420
gcacctacat acctgcaaca acaattgttg caacagattg taccagctct gactcagcta 480

gttgtggcaa accctgctgc ctacttgcaa cagctgcttc cattcaacca actgactatg 540
 tcgaactctg ctgcgtacct acaacagcga caacagttac ttaatccact agcagtggct 600
 aaccattgg tcgctgcctt cctacagcag caacaattgc tgccatacaa ccagt 655

<210> 12056

<211> 639

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-E1

<400> 12056

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 tagcaacaac ctaacaacaa tggctaccaa gatattatcc ctcttgccgc ttcttgccgt 120
 ttttgccgagc gcaacaaatg cgtccattat tccacaatgc tcaattgctc ctagtcccat 180
 tattccacag ttctccccc cagttacttc aatggccttc gaacacccag ctgtgcaagc 240
 ctataggcta caacaagcga ttgcggcgag cgtttttacaa caaccaattg cccaattgca 300
 acaacaatcc ttggcacatt taacaatata aaccatcgca acgcaacagc aacaacagtt 360
 cctaccagca ctgagccacc tagccatggt gaaccctgtc gcctacttgc aacagcagct 420
 gcttgcatat aaccacttg ctctagcaaa cgtagttgca aaccagcaac aacaacaact 480
 gcaacagttt ctgtcagcgc ttagtcaact agccatggtg aaccctgccg tctacctaca 540
 acagcaacaa ctgctttcat ctagcccgct cgctgtggcc aatgcaccta catccttgca 600
 acaaggattg ttgcaacaga ttggaccagc tctaactca 639

<210> 12057

<211> 642

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3061-095-Q1-K6-E10

<400> 12057

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gtcctatag cttcccttct tccccgtac ctctcaccag cgggtgtcttc ggtatgtgaa 180
 aaccaattc ttcaacccta caggatccaa caggcaatca cagctggcat cttaccttta 240
 tcacccttgt tctccaaca atcatcagcc ctattacatc agttaccttt ggtgcattta 300
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 tactctcagc aacagcagtt tcttccattc aaccaactag ctgcattgaa ctctgcttct 420
 tatttgcaac aacaacaact accattcagc cagctacctg ctgcctaccc ccagcaattt 480
 cttccattca accaactggc agcattgaac tctcctgctt atttacagca gcaacaacta 540
 ctaccattca gccagctagc tgggtgtgagc cctgctacct tcttgatata accacagttg 600
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<210> 12058

<211> 637

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-E11

<400> 12058

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 cacaaccgcg tcccgagctg ccgctggtac gtgaccagcc ggacctgcgg catcggggcg 180
 cgctcccgtg ggccggagct gaagaggaga tgctgccggg agctggcgga catcccgcg 240
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 gcgcagctgg agggccgct agaggacctg ccgggctgcc cgcgggaggt gcagagggga 360
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 gaatgccctt ggattctcgg cggcggaacg atgccctcca agtaactgcg aagagcatag 480
 tgcatgagga atgagcttgt agctagctca tatgtctgaa taataagcac agcaagaaga 540
 tgaatgcatt tctcgatcg ttcacccgga acaataatta aaggggatcc ggatttgttc 600
 ttgtgatata attaacgatt cctgttatac ttgggtg 637

<210> 12059

<211> 615

<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E12

<400> 12059

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 aacgcgagaa gcggcttcgg acgttgcgcc gggagatagc ggagccgttc tacgacaaga 120
 aggaggccgc caagctcgcc gcgcaggccg ccgccctagc tgctgccccg ctcccgggtcc 180
 gcggggcccc gccatcccag gatgccggca gctcccgccg agctagctcg gcctcgggcta 240
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 gcagcattag caagaagaag gtgcagcttc atttgaagat caagaaagac aagagaaaag 360
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 tttgttccca gtttgtaaaa caaacgcact gcagtcatgt catgtggtgc acctacctaa 480
 gtccattcgt gggtgaccta ctattaaata tgttgaaatg ggtacgaaaa aagatagtcg 540
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 tgnnaccaca gnagg 615

<210> 12060
 <211> 630
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3061-095-Q1-K6-E2

<400> 12060

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 cctagtgccca ttattccaca gttcctccca ccagttactt caatgggctt cgaacatcca 180
 gcogtgcaag cctacaggct acaactagcg cttgcggcga gcgccttaca acaaccaatt 240
 gcccaattgc aacaacaatc cttggcacat ctaaccctac aaaccattgc aacgcaacaa 300
 caacaacaac aacagtttct gccatcactg agccacctag ccgtggtgaa ccctgtcacc 360
 tacttgcaac agcagctgct tgcattcaac ccacttgctc tggcgaacgt agctgcatac 420
 cagcaacaac aacagctgca acagtttatg ccagtgtcga gtcaactagc catggtgaac 480

cctgcgctct acctacaact actttcatct agcccgcctg cggtgggcaa tgcacctacg 540
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<210> 12061
 <211> 647
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3061-095-Q1-K6-E3
 <400> 12061

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 cgcagccatg gcaatacccc actcaaccac cgcagctaag cccgtgccag cagttcggat 180
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 gcccttgcaa cgcagctgcc ggcgggtgtct actactgagg aaactatgta ctgtagtaat 540
 aatgtaatgg agccgctgac tagctaccta tagggctata gctagtccac tcgttttagcg 600
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<210> 12062
 <211> 585
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E4
 <400> 12062

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cgcgccagggc ggcgtggcgc gcatgtcgga cccggggctc atccgcgaca tcaagcgcgc 180
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 gctccgcagc atggacgacg acgagggtctt cgcctacgcc aagcgcatcg ccgcgccta 540
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<210> 12063
 <211> 344
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3061-095-Q1-K6-E6
 <400> 12063

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